



BENJAMIN MOORE®

FRESH START® ALL-PURPOSE 100% ACRYLIC PRIMER 023

Features

- Provides a total latex system, offering excellent resistance to blistering on new construction
- Easy to apply
- Excellent hiding and leveling properties
- Excellent adhesion.
- Quick dry
- Spatter resistant
- Minimal odor.

Recommended For:

Interior: Use on new or previously painted wood, plywood, drywall, ceiling tile, Formica®, Masonite®, ceramic tile and cured plaster. Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer is an excellent sealer and primer for use under new wallcoverings and can also be used as a primer coat over existing wallcoverings.

Exterior: Use on new or previously painted wood, fiber cement board, hardboard siding, aluminum, galvanized metal, brick, cured masonry and previously coated ferrous metal surfaces.

General Properties

A premium quality, 100% acrylic interior and exterior primer formulated for sealing and suppressing most bleeding type stains including crayon, graffiti, grease marks, water stains, cedar and redwood bleed, asphalt, creosote, rust and smoke. In cases of severe bleeding, a solvent based primer should be used to prevent stains from reappearing. Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer combines any of the qualities desired in a primer: high hiding, excellent adhesion, blister resistance, quick dry, spatter proof and minimal odor with excellent flow and leveling.

Limitations:

- Not recommended for sealing knots or over pine sap.
- On hard, non-porous surfaces, such as glazed ceramics and metal, maximum adhesion and hardness may take 3-4 days to develop.
- Do not apply when air and surface temperatures are below 50° F (10° C).

Product Information

Colors — Standard:

White
White may be tinted to light pastels with up to 2.0 fl. oz. of Benjamin Moore® Color Preview® colorants per gallon.
For best hiding results, tint to the approximate shade of the finish coat.

— Tint Bases:

Deep Color Base
(When tinted in accordance with Benjamin Moore & Co. prescriptions, the Deep Color Base will provide a hiding base coat suitable for use under deep and intense colors.)

— Special Colors:

Contact your Benjamin Moore & Co. representative.

Certification:

Master Painters Institute MPI # 6, 17, 39, 137
Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84
VOC compliant in all regulated areas



Federal Specifications Generic Equivalent

Exterior: TT-P-001984 Interior: TT-P-650-C

Technical Assistance

Available through your local authorized independent Benjamin Moore & Co. retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data[◇]

	Technical Data [◇]	Pastel Base
Vehicle Type		100% Acrylic Latex
Pigment Type		Titanium Dioxide
Volume Solids		29.4%
Theoretical Coverage At Recommended Film Thickness		400 – 450 Sq. Ft.
Film Thickness	— Wet	3.8 mils
	— Dry	1.3 mils
Dry Time @ 77° F (25° C) @ 50% RH	— Set to Touch	1 Hour
	— To Handle	2 Hours
	— To Recoat	3 Hours
<i>When applying finish coat, allow at least three-hour dry between coats. For the most effective sealing action, allow to dry 24 hours before finishing with a top coat</i>		
Dries By		Evaporation, Coalescence
Viscosity		99 ± 3 KU
Flash Point		None
Gloss/		Flat
Surface Temperature at application	— Min.	50° F
	— Max.	90° F
Thin With		Do Not Thin
Clean Up Thinner		Clean Water
Weight Per Gallon		10.7 lbs.
Storage Temperature	— Min.	40° F
	— Max.	90° F

Volatile Organic Compounds (VOC)

White - 50 Grams/Liter, .42 LBS/Gallon
Deep Base - 40 Grams/Liter, .34 LBS/Gallon

[◇] Reported values are for White. Contact Benjamin Moore & Co. for values of other bases or colors.

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry. Caution: Smooth planed clapboards or siding must be sanded thoroughly to break the "mill glaze" allowing proper penetration and adhesion.

Difficult Substrates: If the surfaces to be painted exhibit severe tannin or smoke staining, an alkyd based Benjamin Moore & Co. primer may be your best choice for conquering these severe conditions. Consult your Benjamin Moore & Co. retailer for further guidance.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer is the preferred primer in most situations. New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results use Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer tinted to the approximate finish coat color. Special Note: Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer.

Wood, and engineered wood products, New:

Primer: BENJAMIN MOORE® FRESH START® All-Purpose 100% Acrylic Primer (023)

For bleeding woods such as cedar and redwood, use Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer or BENJAMIN MOORE FRESH START® All-Purpose Alkyd Primer (024)

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat.

Drywall, New:

Primer: BENJAMIN MOORE® FRESH START® All-Purpose 100% Acrylic Primer (023)

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat

Plaster, Cured:

Primer: BENJAMIN MOORE® FRESH START® All-Purpose 100% Acrylic Primer (023)

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat.

Masonry, Cured:

Rough or Pitted Masonry:

Primer: MOORCRAFT SUPER CRAFT® Latex Block Filler (285)

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat

Smooth Poured or Pre-cast Concrete:

Primer: Moore's® Acrylic Masonry Sealer (066) or Benjamin Moore® Fresh Start® All-Purpose 100% Acrylic Primer

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat.

Unpainted Metal (Ferrous):

Primer: IRONCLAD® Latex Low Lustre Metal & Wood Enamel (363 or C363) or

IRONCLAD® Alkyd Low Lustre Metal & Wood Enamel (C163 or Z163)

Finish: 1 or 2 coats of the appropriate Benjamin Moore® finish coat.

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before and during use. Apply one or two coats.

Paint Application: For best results, use a premium BENJAMIN MOORE® custom-blended nylon/polyester brush, premium BENJAMIN MOORE® roller, or a similar product. Apply paint generously from unpainted area into wet area.

This product can also be sprayed.

Spray, Airless: Fluid Pressure: 1500 – 2500

Tip: .013 – .017

Thinning/Cleanup

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean Up: Clean equipment with mineral spirit. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. *Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.*

Environmental, Health & Safety Information.

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

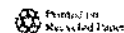
FIRST AID: In case of eye contact, flush with water for 15 minutes; for skin, wash with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL — Absorb with inert material and dispose of as specified under Thinning/Cleanup.

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

Refer to Material Safety Data Sheet for additional health and safety information.



Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: (201) 573-9600 Fax: (201) 573-9046 www.benjaminmoore.com M72 0230 US 03/09

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Benjamin Moore
Paints

Material Safety Data Sheet

Revision Date: 21-May-2010

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BENJAMIN MOORE FRESH START ALL PURPOSE 100% ACRYLIC PRIMER
Product Code 023
Product Class WATER THINNED PAINT
Color All

Manufacturer Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 201-573-9600
www.benjaminmoore.com

Emergency Telephone Number(s)
CHEMTREC: 800-424-9300

2. COMPOSITION INFORMATION ON COMPONENTS

Hazardous Components

Chemical Name	CAS-No	Weight % (max)
Titanium dioxide	13463-67-7	15
Kaolin	1332-58-7	10
Diatomaceous earth	61790-53-2	5

3. HAZARDS IDENTIFICATION

Emergency Overview

Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis.

Appearance liquid

Odor little or no odor

Potential Health Effects

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Effects

Eyes May cause slight irritation.
Skin Substance may cause slight skin irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions None known

HMIS Health: 1* Flammability: 0 Reactivity: 0 PPE: -

HMIS Legend

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- * - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, Benjamin Moore & Co., has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868

4. FIRST AID MEASURES

General Advice	No hazards which require special first aid measures.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
Notes To Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical	Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity To Mechanical Impact	No
Sensitivity To Static Discharge	No
Flash Point Data	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Flammability Limits In Air	
Lower Explosion Limit	Not applicable
Upper Explosion Limit	Not applicable

NFPA Health: 1 Flammability: 0 Instability: 0 Special: Not Applicable

NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

The ratings assigned by Benjamin Moore & Co. are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods For Clean-Up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
Other Information	None known

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage	Keep container tightly closed. Keep out of the reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits

Hazardous Components

Chemical Name	ACGIH	OSHA
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Titanium dioxide	10 mg/m ³ - TWA	15 mg/m ³ - TWA total
Kaolin	2 mg/m ³ - TWA	15 mg/m ³ - TWA total 5 mg/m ³ - TWA
Diatomaceous earth	N/E	- (80)/(%) SiO ₂ mg/m ³ TWA 20 mppcf - TWA

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin Protection Protective gloves and impervious clothing.
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Density (lbs/gal)	9.4 - 10.4
Specific Gravity	1.12 - 1.25
pH	Not available
Evaporation Rate	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Wt. % Solids	30 - 50
Vol. % Solids	20 - 40
Wt. % Volatiles	50 - 70
Vol. % Volatiles	60 - 80
VOC Regulatory Limit (g/L)	< 100
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing Point (°F)	32
Freezing Point (°C)	0
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.
Conditions To Avoid Prevent from freezing

Incompatible Materials No materials to be especially mentioned.
Hazardous Decomposition Products None under normal use.
Possibility Of Hazardous Reactions None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product

No information available

Component

Titanium dioxide

LD50 Oral: > 24000 mg/kg (Rat)

LD50 Dermal: > 10000 mg/m² (Rabbit)

LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

Chronic Toxicity

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Titanium dioxide		2B - Possible Human Carcinogen		Listed

- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Product

12. ECOLOGICAL INFORMATION

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Component
Acute Toxicity to Fish

Titanium dioxide
LC50: >1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Dry, empty containers may be recycled in a can recycling program. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

United States TSCA Yes - All components are listed or exempt.
Canada DSL No - Not all of the components are listed.
One or more component is listed on NDSL.

15. REGULATORY INFORMATION

Federal Regulations

SARA 311/312 hazardous categorization

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

This product may contain trace amounts of (other) SARA reportable chemicals. Contact Benjamin Moore & Co. for further information.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

This product may contain trace amounts of (other) HAPs chemicals. Contact Benjamin Moore & Co. for further information.

State Regulations

California Proposition 65

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Louisiana	Rhode Island
Titanium dioxide	X	X	X		X
Kaolin	X	X	X		X
Diatomaceous earth		X			X

Legend

X - Listed

16. OTHER INFORMATION

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By Product Stewardship Department
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Revision Summary Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of MSDS



BENJAMIN MOORE®

SUPER SPEC® BUSAN® 100% ACRYLIC EXTERIOR PRIMER 166

Features

- Blocks tannin bleeding type stains.
- Blocks and controls rust stains from nail heads and steel columns.
- Excellent adhesion to aged glossy alkyd surfaces and moderately chalky surfaces.
- Alkali resistant.
- Fast dry.
- Easy to apply.
- Soap and water clean up.

Recommended For:

Use on all bleeding type exterior wood surfaces, such as cedar, redwood, cypress, mahogany, and fir. Can also be used on cured stucco and masonry surfaces.

General Properties

A 100% acrylic latex exterior primer specially formulated for use on all bleeding type exterior wood surfaces. Effective at holding back water stains and most other bleeding stains. An ideal primer for use under all types of exterior latex coatings.

Limitations:

- Do not apply when air and surface temperatures are below 50° F (10° C) nor on damp and rainy days.
- Do not mix other paints or enamels with this product.

Product Information

Colors — Standard:

166 00 White

(May be tinted with up to 2.0 fl. oz. of Benjamin Moore & Co. Color Preview® colorants per gallon.)

— Tint Bases:

Not available

— Special Colors:

Contact your Benjamin Moore & Co. representative.

Certification:

Available in all regulated areas.

Technical Assistance

Available through your local authorized independent Benjamin Moore & Co. retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data◊

White

Vehicle Type	100% Acrylic Latex
Pigment Type	Titanium Dioxide
Volume Solids	42%
Theoretical Coverage At Recommended Film Thickness	400 – 450 Sq. Ft.
Recommended Film Thickness	— Wet 3.8 mils — Dry 1.2 mils
Dry Time @ 77° F (25° C) @ 50% RH	— Set to Touch 1 Hour — Dry to Touch 1 Hour — To Recoat 3-4 Hours — To Hard Dry 24 Hours
Dries By	Evaporation, Coalescence
Viscosity	80 ± 2 KU
Flash Point	None
Gloss/Sheen	Flat
Surface Temperature at application	— Min. 50° F — Max. 90° F
Thin With	Clean Water
Clean Up Thinner	Clean Water
Weight Per Gallon	10.3 lbs.
Storage Temperature	— Min. 40° F — Max. 90° F

Volatile Organic Compounds (VOC) ◊

41 Grams/Liter – 0.34 LBS/GALLON

◊ Reported values are for White. Contact Benjamin Moore & Co. for values of other bases or colors

Super Spec® Busan® 100% Acrylic Exterior Primer (166)

Surface Preparation

Surfaces must be clean, and free of dirt, mildew, grease, excess chalk, and loose or scaling paint. Remove all scaling or peeling paint by scraping, wire brushing or sanding. Glossy areas should be dulled. Loose, sandy masonry and stucco should be dry-brushed down to a firm surface. For metal surfaces, remove rust. Wipe with paint thinner to remove surface oils. Spot prime all nail holes and areas before and after using putty or caulking.

Note: Smooth-planed clapboards or siding must be sanded with 80-120 grit sandpaper to break the "mill glaze" and allow proper penetration and adhesion.

Mildew: If mildew is evident, it must be removed by application of a commercial mildew wash. **CAUTION:** Follow manufacturer's application and safety directions.

Unweathered areas such as eaves, ceilings or overhangs should be washed with a detergent and/or rinsed with a strong stream from a garden hose to remove surface salts that can interfere with proper adhesion.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD.

Primer/Finish Systems

Cedar Siding, Shakes, or Redwood:

Primer: To minimize the extraordinary staining tendencies of these woods, apply two coats of Super Spec® Busan® 100% Acrylic Exterior Primer. Let dry at least 3 hours between priming coats.

Finish: Appropriate Benjamin Moore & Co. latex exterior house paint.

Non Bleeding Wood, New:

Primer: One coat of Super Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior house paint

Yellow Pine, New:

Primer: Spot prime knots with Super Spec® Stain Blocking Alkyd Primer (294).

Apply one overall coat of Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior house paint

Wood, Repaint (including Shakes and Shingles):

Primer: Spot prime as needed with Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior house paint

Hardboard Siding, Bare, Factory Primed, or Repaint:

Primer: One coat of Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior house paint

Smooth Masonry, New and Unpainted:

Primer: One coat of Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior finish

Galvanized Metal, New:

Primer: One coat of Spec® Busan® 100% Acrylic Exterior Primer

Finish: Appropriate Benjamin Moore & Co. latex exterior finish

Galvanized Metal, Repaint:

Primer: Prime or spot prime as needed with IronClad® Latex Low Lustre Metal & Wood Enamel (363/C363) or IronClad® Alkyd Low Lustre Metal & Wood Enamel (C163)

Finish: Appropriate Benjamin Moore & Co. latex exterior finish

Application

For best hiding results, tint Spec® Busan® 100% Acrylic Exterior Primer to the approximate finish coat color.

Stir thoroughly before use. Apply as received in the container.

Spot prime all nail holes and areas before and after using putty or caulking. Apply 1 or 2 coats in full, even coats by brush, roller, or spray. Two coats provide the maximum sealing and stain suppression qualities. Allow film to thoroughly dry between coats.

Spray, Conventional: Thin as needed with small amounts of clean water.

Spray, Airless: Fluid Pressure— 1,500 to 3,000 PSI;

Tip — .013 - .017 Orifice

Thinning/Cleanup

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Stain suppression may be affected if over-thinned. Never add other paints or solvents.

Clean brushes, rollers and other painting tools in warm soapy water after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for more information on disposal options.

Environmental & Safety Information

Contains Barium Metaborate and Crystalline Silica

CAUSES EYE IRRITATION

Crystalline silica can cause cancer when in the respirable form (spray mist or sanding dust).

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and gloves during application or sanding. A dust/particulate respirator approved by NIOSH should be worn when sanding or spraying. Close container after each use.

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of ingestion, DO NOT INDUCE VOMITING. Get medical help immediately.

IN CASE OF SPILL: – Absorb with inert material and dispose of as specified under Thinning/Cleanup.

KEEP OUT OF REACH OF CHILDREN

**Material Safety Data Sheets available
on request from your servicing dealer.**



Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: (201) 573-9600 Fax: (201) 573-9046 www.benjaminmoore.com M72 0166 US 12/09

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MATERIAL SAFETY DATA SHEET Rev. 04B

For Coating, Resins, and Related Materials NPCA 1-84
Manufacturer's Name BENJAMIN MOORE & CO.
Emergency Telephone No. 800-424-9300 (CHEMTREC)
51 CHESTNUT RIDGE RD
MONTVALE, NJ 07645

Date Prepared Last Rev Date Information Telephone No.
01-19-01 12-15-97 201-573-9600

For the most up-to-date MSDS information
please visit our website www.benjaminmoore.com/msds/go.html

SECTION I - PRODUCT ID

PRODUCT*: 166, n166
CLASS: WATER THINNED PAINT
NAME: MOORCRAFT SUPER SPEC BUSAN 100% ACRYLIC EXT PRIMER
COLOR: ALL
** HMIS CODE **
HEALTH: 1*
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROT:

** SARA TITLE 312 **
ACUTE: N CHRONIC: Y FIRE: N PRESSURE: N REACTIVITY: N
For a complete description of HMIS and an explanation of the PERSONAL PROT:
code, see Section XX.
*NOTE: In the PRODUCT code a little n can be any capital letter of the
alphabet except P or Q.

SECTION II HAZARDOUS INGREDIENTS

Table with 7 columns: INGREDIENT, HAZ, SARA, MAX %, CAS #, TLV, PEL, STEL, CEIL, MM Hg. Rows include Titanium Dioxide, Barium Metaborate, and Silica, Crystalline.

This product contains one or more reported carcinogens or suspected
carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits
recommended column.

Note: This product contains pigments which may become a dust nuisance when
removed by abrasive blasting, sanding, or grinding.
This product may contain small amounts of materials known to the State of
California to cause cancer and reproductive harm.

SECTION III PHYSICAL DATA

BOILING RANGE: N/A WT/GALLON: 10.3 to 10.3 %VOL BY VOLUME: 59.3 to 59.3
EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS.: NOT REGULATED FLASH POINT: > 250 F PMCC

LEL: Not Applicable
EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Toxic gases may form when product burns.
Closed containers may burst if exposed to extreme heat or fire.
SPECIAL FIRE FIGHTING PROCEDURES:
Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:
Inhalation - Irritation of the respiratory tract.
Contact - Causes eye irritation.
Ingestion of large amounts could cause serious injury.
EFFECTS OF OVEREXPOSURE - CHRONIC:
Contains: Crystalline Silica which has been determined to be carcinogenic to humans (1) by IARC when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to dust from sanding the dried paint or spray mist.
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:
None expected when used in accordance with Safe Handling and Use Information (Section VIII).
Inhalation statement: Sanding dust inhalation may cause lung damage.
PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION
EMERGENCY AND FIRST AID PROCEDURES :
Inhalation - Remove to fresh air. Get medical help for any breathing difficulty.
Eye Contact - Flush thoroughly with water. Call physician.
Skin Contact - Wash with soap and water.
Ingestion - Drink 1 or 2 glasses of water to dilute.
DO NOT induce vomiting. Call physician.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR
CONDITIONS TO AVOID: Elevated temperatures
HAZARDOUS DECOMPOSITION PRODUCTS:
Burning may produce carbon dioxide and carbon monoxide.
INCOMPATIBILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Flush with water. Absorb with sawdust or rags.
WASTE DISPOSAL METHOD:
Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:
Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas.
VENTILATION:
Adequate to maintain working atmosphere below T.L.V. and L.E.L.
(See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Waterproof during repeated contact.
EYE PROTECTION: Splash goggles or safety glasses with side shields.
OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.
HYGIENIC PRACTICES:
Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA
HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

American Labelmark Co., Inc., Labelmaster Division
5724 N. Pulaski Rd., Chicago, IL 60646
1-800-621-5808

The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation.

Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster.

This product contains at least one toxic chemical listed in Section II that is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

DISCLAIMER

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-LEAD-FYI.



TAB #10
Aqua Lock Plus™
Adhesion Primer Sealer
& Stain Killer
AQ-0400
 Rev. 02/09

Aqua Lock Plus™ Latex Stain Killer AQ-0400

Type	Sheen	Theoretical Spread Rate	Recommended Application	Thinner	Clean Up
Acrylic	Flat	300 - 400 Sq. Ft. Per Gallon*	Brush, Roller or Spray	Clean Water	Warm Soapy Water
Dry Time:		Tack Free: 30 Min.	Recoat: 1 - 2 Hrs.	Full Cure: 7 - 10 Days	

PRODUCT NAME: AQ0400 Aqua Lock Plus™ Latex Stain Killer	<p>Aqua Lock Plus™ Latex Stain Killer is a 100% acrylic formulated primer that provides excellent adhesion properties to a variety of interior & exterior surfaces. It has superior sealing and coverage qualities, product versatility and is an excellent base coat for both latex and oil-based finish coatings. It offers excellent stain blocking properties for water stains, fingerprints, smoke, crayons and more.</p> <p>Mildew Resistant: This product contains agents that inhibit the growth of mildew on the surface of the paint film. For interior & exterior applications.</p>		
WHERE TO USE:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">Interior & Exterior</td> <td>Drywall, Plaster, Ceiling, Acoustical Tile, Wood Trim & Doors, Formica, Ceramic Tiles, Glossy Surfaces, PVC Plastic, Masonry Walls, Wood Siding, Cedar & Redwood, Wood Fences, Trim, Shutters, Masonry, Stucco, Concrete, Cement Block, Galvanized Metal, Aluminum, Vinyl Siding, etc.</td> </tr> </table>	Interior & Exterior	Drywall, Plaster, Ceiling, Acoustical Tile, Wood Trim & Doors, Formica, Ceramic Tiles, Glossy Surfaces, PVC Plastic, Masonry Walls, Wood Siding, Cedar & Redwood, Wood Fences, Trim, Shutters, Masonry, Stucco, Concrete, Cement Block, Galvanized Metal, Aluminum, Vinyl Siding, etc.
Interior & Exterior	Drywall, Plaster, Ceiling, Acoustical Tile, Wood Trim & Doors, Formica, Ceramic Tiles, Glossy Surfaces, PVC Plastic, Masonry Walls, Wood Siding, Cedar & Redwood, Wood Fences, Trim, Shutters, Masonry, Stucco, Concrete, Cement Block, Galvanized Metal, Aluminum, Vinyl Siding, etc.		
SURFACE PREPARATION:	<p>General – All surface areas to be painted should be clean, dry, sound and free of all dirt, grease, oils, waxes, mildew and any other surface contaminants that can cause paint failure. Dirt and chalk should be thoroughly removed by scrubbing with warm soapy water. Surface wax should be removed with a commercial wax stripper. Grease residue should be removed with INSL-X® Citri-Clean. Remove all loose chipping, cracking and peeling from previously painted surfaces by hand scraping, sanding, wire brushing and/or by use of power tool cleaning methods such as electric sanders, grinders, etc. Remove any loose rust, mill scale, rust deposits from metal surfaces by the same methods described above in accordance with SSPC – (Steel Structures Painting Council) specifications for the proper surface preparation of metal surfaces. Repair/replace any seriously damaged and/or delaminated surface areas. Lightly feather sand all rough paint edges to adjacent surface area. All glossy surface areas should be lightly sanded to effectively dull any existing sheen and create a more suitable surface for painting.</p> <p>Mildew – Surface areas affected by mildew should be thoroughly hand scrubbed with a soft to medium bristle scrub brush and a solution of one cup Tri-Sodium Phosphate or a non-ammoniated detergent cleaner mixed with one part household bleach and three parts warm water, per gallon solution. Allow solution to stand on the affected surface areas for approximately 10 – 20 minutes, then rinse thoroughly with clean water and allow 24 – 48 hours to dry.</p> <p>Glossy Surfaces – Although Aqua Lock Plus™ is formulated to be applied to hard to coat surfaces without the need for sanding, it is recommended that proper surface preparation still be completed to enhance adhesion properties. Surfaces such as Formica, ceramic tile and glossy painted surfaces should be properly deglossed. Once applied allow Aqua Lock Plus™ to cure for approximately 3 to 4 days to achieve maximum resistance to scrape off. However, Aqua Lock Plus™ may be topcoated with a quality latex or oil-based finish within 1 to 2 hours, depending on overall drying conditions.</p> <p>Stains – As a stain killer, Aqua Lock Plus™ provides excellent stain blocking properties against common stains, such as water stains, smoke stains, graffiti, crayons, lipstick and finger paints. However, it is recommended to thoroughly clean the affected surface areas as directed above before application. Some difficult stains may require two prime coat applications.</p>		

TAB #10
Aqua Lock Plus™
Adhesion Primer Sealer
& Stain Killer
AQ-0400
Rev. 02/09

*NOTE ON SPREAD RATE:	Actual spread rate will vary based upon numerous factors, including texture of the substrate, application method, waste, surface porosity and thinning. The Theoretical Spread Rate listed on this document has not taken into account these factors and is only based upon the volume solids of this product and the recommended wet film thickness when applied to a smooth substrate.
APPLICATION:	Aqua Lock Plus™ Latex Stain Killer applies easily with a quality brush, roller, airless, HVLP or conventional spray methods. Stir product thoroughly before using. For best results, it is <i>recommended</i> to apply by brush or roller application to effectively work primer into surface pores. When applying by brush, apply a smooth and generous coat application in an "M" or criss-cross motion avoiding any excessive re-spreading or reworking. If applying by airless sprayer, it is recommended to use a unit with a minimum of 2000 PSI of pressure with a 0.017 – 0.021 fluid spray tip. When applying by airless sprayer, it is recommended that the surface area should be back-rolled/brushed to insure proper adhesion, even application and effectively work primer into surface pores. It is important to maintain a wet edge during all methods of paint application by brushing or rolling into previously applied coating area. Apply when surface and ambient temperature are above 55° F and below 90° F. Avoid paint application outside when weather conditions are threatening, and late in the afternoon when there is a threat of moisture condensing on wet paint. Do not paint if surface temperature is within 5° F of the dew point.
RESIN TYPE:	Acrylic
SOLIDS:	Weight – 53.6 ± 1.0% Volume – 38.0 ± 1.0%
WEIGHT PER GALLON:	11.2 lbs.
VISCOSITY:	95 – 100 KU (Krebs Units)
FLASH POINT:	200° F or greater (TT-P-141, Method 4293)
SPECULAR GLOSS:	4 – 6 units @ 60 degrees
SAG RATING:	N/A
REC. FILM THICKNESS:	Wet: 4.0 to 5.3 mils Dry: 1.5 to 2.0 mils
CAUTIONS:	<p style="text-align: center;">CAUTION</p> <p style="text-align: center;">Use only with adequate ventilation.</p> <p>Ensure fresh air during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted <i>respirator (NIOSH approved)</i> during and after application. Follow respirator manufacturer's directions for respirator use.</p> <p>First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced get medical attention immediately. If swallowed, get medical attention immediately.</p> <p>If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.</p> <p style="text-align: center;">Obtain and read the MSDS prior to using this product.</p> <p style="text-align: center;">KEEP OUT OF REACH OF CHILDREN</p>
VOC/VOS STATEMENT:	This product contains a maximum of 50 grams VOC/VOS per liter of coating. (0.42 pounds per gallon). Aqua Lock Plus™ meets the requirements for use on all LEED certified projects.
OTC CATEGORY:	This product is compliant under the Ozone Transport Commission regulations as a Specialty Primer/Sealer/Undercoater in all container sizes.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT ID : AQ040009F-01
PRODUCT CLASS : ACRYLIC PAINT, WATER BASED
TRADE NAME : GRABBER PRIMER SEALER

MSDS PREPARATION DATE : 03/27/2008

MANUFACTURER IDENTIFICATION:

NAME : COMPLEMENTARY COATINGS CORP
ADDRESS : 50 HOLT DRIVE
STONY POINT, NY 10980
TELEPHONE : (800) 225-5554
EMERGENCY CONTACT : CHEMTREC
EMERGENCY TELEPHONE : (800) 424-9300

SECTION 2 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

1

CAS# 13463-67-7

TITANIUM DIOXIDE

PCT BY WT: 10 - 15

EXPOSURE LIMIT:

ACGIH TLV/TWA: 10 mg/cu m (Total Dust) - TWA
OSHA PEL/TWA: 10 mg/cu m (Total Dust) - TWA
LD50: Oral (Rat) - >7500 mg/kg (TiO2)

2

CAS# 1314-13-2

ZINC OXIDE

PCT BY WT: 1.3460

EXPOSURE LIMIT:

ACGIH TLV/TWA: 10 mg/cu m (Total dust); 5 mg/cu m (Respirable)
OSHA PEL/TWA: 15 mg/cu m (Total dust); 5 mg/cu m (Respirable)
LC50: Inhalation, Mouse - 2500 mg/cu m
LD50: Oral, Mouse - 7950 mg/kg

This product contains no reported carcinogens or suspected carcinogens
according to the information provided in Section 3 of this MSDS.

This product contains pigments, which may become a dust nuisance when
removed by abrasive blasting, sanding, or grinding.

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Primary irritant.
SKIN: This product may cause skin irritation or rash upon repeated or
prolonged contact.
INHALATION: With poor ventilation, vapor or spray mist may irritate
respiratory mucous membranes, causing headache & nausea.
INGESTION: N/A

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MATERIAL SAFETY DATA SHEET
N

AQ040009F-01

ROUTE(S) OF EXPOSURE

Exposure may be inhalation and/or skin or eye contact, depending on conditions of use.

CARCINOGENICITY

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

CHRONIC EFFECTS:

None recognized.

SECTION 4 - FIRST AID MEASURES

EMERGENCY FIRST AID:

EYE CONTACT: Flush at once with large amounts of lukewarm water for at least 15 minutes and get medical attention.

SKIN CONTACT: Remove from skin with soap and water. Remove drenched clothing. If irritation persists, consult a physician.

INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. If necessary, restore breathing; in this case contact physician at once.

INGESTION: If victim is conscious, give 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center at once.

NOTE TO PHYSICIAN:

Not Applicable.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:

Flammability Classification : N/A
Flashpoint : N/A
Explosion Level : Low - .6
High - 4.2

EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire. After water evaporates, remaining material will burn; use CO2, dry chemical or foam (National Fire Protection Association Class B extinguisher).

FIRE-FIGHTING PROCEDURES AND EQUIPMENT

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable.

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MATERIAL SAFETY DATA SHEET
N

AQ040009F-01

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat; use water spray to cool. Product in open containers may spatter when the temperature exceeds boiling point of water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Ventilate as described in Section 8. Avoid unnecessary skin contact. Stop and/or contain spill if it can be done safely. Avoid discharge into drains, sewers or waterways.

CLEAN-UP

Collect by absorption, shovel and/or wet moping.

SECTION 7 - HANDLING AND STORAGE

HANDLING

Transfer only to approved containers with complete & appropriate labeling. Do not take internally. Keep out of the reach of children.

STORAGE

Do not store above 120 Degrees F. Close container after each use.

SPECIAL COMMENTS

Do not take internally. Wash with soap and water before eating, drinking, smoking or using toilet. Avoid FREEZING this product.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to chemicals in Section 2 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION

Where exposures are below the PEL, no respiratory protection is required. Where exposures exceed the PEL, use a respirator approved by NIOSH or a full protective suit with air supply appropriate for the chemical(s) and level of exposure.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

PROTECTIVE GLOVES

None required for normal application of limited duration is expected. For long or repeated contact, wear chemical resistant gloves.

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MATERIAL SAFETY DATA SHEET
N

AQ040009F-01

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Density : N/A
Vapor Pressure : 17mmHg@ 68 Degrees F (water)
Physical State : LIQUID
Boiling Point Range : Lower - 212.0 °F
Higher - 212.0 °F
Specific Gravity : 1.338
Weight per Volume : 11.1404 LB/GL
VOC - Total (lb/gal) : .408
Evaporation Rate : .000 (n-Butyl Acetate = 1)
Volatile by Weight : 44.3289
Volatile by Volume : 59.3630

SECTION 10 - STABILITY AND REACTIVITY

STABILITY

This product is stable.

INCOMPATIBILITIES (Materials to Avoid)

None known.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

High temperatures.

HAZARDOUS PRODUCTS OF DECOMPOSITION

Heating to decomposition, as in a fire or welding, may produce hazardous fumes. Fumes may contain carbon monoxide, carbon dioxide and oxides of nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

No data at this time.

SECTION 12 - ECOLOGICAL INFORMATION

No data at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Dispose of this product in accordance with applicable local, county, state and federal regulations, by incinerating, or treating and

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MATERIAL SAFETY DATA SHEET
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disposing in approved facility. Do not incinerate closed containers.

SECTION 14 - TRANSPORT INFORMATION

DOT HAZARD CLASS : N/A
DOT PACKAGING GROUP : N/A
DOT LABEL : NONE
DOT SHIPPING NAME : PAINT
DOT PLACARD : NONE
UN/NA NUMBER : NONE

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION

TSCA SECTION 8(b) - INVENTORY STATUS:

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA Regulations.

SARA 313 TOXIC CHEMICALS:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

ZINC OXIDE
CAS# 1314-13-2 PCT BY WT: 1.3460

SECTION 16 - OTHER INFORMATION

Prepared by :
Date of issue : 03/27/2008
Last Revision Date : 10/30/2006

MSDS Prepared for :

MSDS Last Prepared : NONE
HMIS Rating: Health- 1 Flammability- 0
Reactivity- 0

This Material Safety Data Sheet conforms to the Hazard Communication Standard, 29 CFR 1910.1200(g)(4).

COMPLEMENTARY COATINGS CORP
MATERIAL SAFETY DATA SHEET
N

AQ040009F-01

The above information pertains to this product as currently formulated and is based on the information available, as of this date. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Abbreviations used: int.- interior; ext.- exterior; MSDS - Material Safety Data Sheet; HMIS - Hazardous Materials Information System; CAS - Chemical Abstracts Services; pct - percent; wt - weight; mm Hg - millimeters of mercury; F - Fahrenheit; ACGIH - American Conference of Governmental Industrial Hygienists; TLV - Threshold Limit Value; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; TWA - Time-Weighted Average; STEL- Short Term Exposure Limit; N/A- Not applicable IARC - International Agency for Research on Cancer; NE - Not established NTP - National Toxicological Program; CFR - Code of Federal Regulations; OSHA - Z 29CFR 1910, Subpart Z; VOC - Volatile Organic Compounds; TCC - Tag Closed Cup; LEL - Lower Explosive Limit; Mg/m3 or Mg/Cu M - milligram per cubic meter; mppcf - millions of particles per cubic foot; ppm - parts per million; NIOSH - National Institute of Occupational Safety and Health; MSHA - Mine Safety and Health Administration; CNS - Central Nervous System.

PRODUCT DATA

FORMULATED FOR:

- Walls & Ceilings
- Trim / Woodwork
- Interior & Exterior

SEALS:

- Drywall, Spackling & Joint Compounds
- Paneling, Masonite®
- Cured Plaster (minimum cure of 7 days)
- Plywood & T1-11

FEATURES:

- Low Odor and Low VOC
- Fast Drying
- Easy Sanding
- Excellent Holdout
- Excellent Adhesion over Difficult Surfaces

WHERE TO USE:

TERMINATOR 2 Water-Based Stain Killer is a VOC compliant, fast drying, white pigmented coating that both primes and seals numerous unpainted and painted surfaces. This product is a good sealer over surfaces that have been stained, and can be used on dry, cured exterior surfaces for "spot" priming only, or for "block out" work on interior and exterior signs. It also provides an outstanding adhesive "tie-coat" for properly prepared glossy and difficult-to-adhere-to substrates, developing quick (fingernail-tight) adhesion within a 24 hour period.

SPECIAL PERFORMANCE:

- OTC Compliant - Specialty Primer Category
- Meets MPI Specification #'s 17, 39, 137

TECHNICAL DATA:

Finish: Flat

Colors and Item Numbers:

White	DU0071218
Deep Base	DU0071219

Vehicle Type: Proprietary Acrylic Resin

Recommended Spread Rate per Coat:

sq ft/gal:	350 - 400
On rough surfaces coverage will be reduced.	

Drying Time:

@ 4.0 mils wet (@ 77°F & 50% Relative Humidity)

	White	Deep Base
To Touch:	30 minutes	30 minutes

To topcoat with latex or alkyd:	1 hour	4-6 hours
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To topcoat with epoxy or urethanes:	3 hours	18-24 hours
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	White	Deep Base
Weight Per Gallon:	10.9 ± 0.2 lb	10.3 ± 0.2 lb

Volume Solids:	36 ± 1%	35 ± 1%
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Weight Solids:	51 ± 1%	47 ± 1%
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Alkali Resistance: 8-13 (pH Tolerance)

Flash Point: not applicable

Clean Up: Warm, soapy water

VOC/VOS:

White	44 g/L, 0.37 lb/gal
Deep Base	45 g/L, 0.37 lb/gal

SURFACE PREPARATION:

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer.

Smoke, fire, or stain damaged areas-

Thoroughly clean the surface before applying to smoke, fire or stained areas. After priming, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating. Use TERMINATOR 1 Oil-Based Stain Killer over water sensitive stains.

Mildew

Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking

Fill gaps between windows, doors, trim, and other through-wall openings with the appropriate caulk after priming the surface.

APPLICATION:

Stir thoroughly before using.

IMPORTANT! To avoid "flashing" of the finish coat over this primer, on interior surfaces do not "spot" prime, but rather prime the entire surface to be painted from one physical break to the next physical break.

Apply at temperatures above 50°F. No reduction necessary.

Brush — Use a nylon/polyester brush

Roller — Use a 1/4" - 3/4" nap synthetic cover

Spray - Airless

Pressure 2000 psi

Tip017"-.021"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS:

- 1) Do not take internally.
- 2) Keep out of reach of children.
- 3) Emergency Medical Number: 1-216-566-2917 or 1-877-792-3637 (toll free).
- 4) Protect product from freezing.
- 5) Use only at temperatures above 45°F.
- 6) Do not add commercially available paint additives, mineral spirits or other solvents to this paint.
- 7) Always follow the label cautions. See the MATERIAL SAFETY DATA SHEET (MSDS) for additional safety and health information.

The technical information contained herein is believed to be reliable. However, because field conditions vary, the information set forth cannot be construed to be accurate under all conditions. It is the user's responsibility to determine the safety, toxicity and suitability for his own use of the products described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by DURON as to the effect of such use, the results to be obtained, or the safety or toxicity of the product. DURON warrants that its products meet the specifications it sets for them. DURON DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITING TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In the event DURON finds that products delivered are off-specification, DURON will, at its sole discretion, either replace the products or refund the purchase price thereof, and DURON's choice of one of these remedies shall be the Buyer's sole remedy. IN NO EVENT SHALL DURON BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (including damages for lost profits, injury to person or property or other loss). Without limiting the foregoing, DURON is not responsible for improper surface preparation or application techniques. DURON assumes no liability for any patent infringement which may arise from the use of its products.



Breathe Easy. Professional Results.

- Breathe healthier
- Virtual odorless
- Fast drying
- Mold/mildew resistant



SMART™ is a Zero VOC system, for wall prep and repair before painting.

SMART™ Stain-Hide™ Stainblocking Primer-Sealer is a premium, fast-drying waterbased primer. With no harmful, irritating fumes, it is ideal for occupied spaces. Promotes cleaner air for all; especially seniors, children, and allergy and asthma sufferers. Ideal for painted walls, drywall, plaster, wood, masonry or previously painted surfaces. Traps common household stains such as fingerprints, water damage, crayon, ink, lipstick, grease, dirt, smoke, and wood bleed. Great for color changes, or for use under wallcoverings. Compatible with all latex and acrylic paints. Delivers professional results for true colors and enamel holdout, and cures quickly to speed topcoating.

CONTAINS NO ETHYLENE GLYCOL.

- Premium 100% Acrylic
- Excellent sealing, blocks stains
- Interior or Exterior use
- Zero harmful VOCs

PREPARATION: The surface must be sound, dry, clean and free of sanding dust, dirt, oil & grease, mold/mildew/algae, loose/peeling paint, and other surface debris. Rinse all cleaning chemical residue from surface before using this product.

PREVIOUSLY PAINTED SURFACES: Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull gloss areas by light sanding or chemical deglosser. Remove sanding dust and any loose paint. Porous flat finishes must be sealed with this product.

NEW SURFACES: Drywall: Prime with this product. **Wood:** Sand smooth and dust clean, and prime with this product. **Concrete, Masonry and Plaster:** New masonry and plaster must cure at least 30 days before painting to allow pH to drop to 10.0 or lower. Slick/glossy concrete should be acid etched; follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Fill concrete block with water-based acrylic block filler. Prime with this product. **Metal:** Prime uncoated metal with a metal primer. This product may be used on previously painted metal only.

APPLICATION INSTRUCTIONS

DRY TIME: To touch in 30 minutes; sand & recoat 1 hour (77°F/25°C and 50% R.H.). If applying enamel finish, sand lightly and dust clean before painting, for best results. Low temperature, high humidity, thick films or poor ventilation will increase these times. **CLEAN-UP:** Clean immediately with warm, soapy water.

TINTING: May be tinted with up to 2 oz/gal of universal colorants. **APPLYING THIS PRODUCT:** Mix thoroughly before use. Apply by brush, roller or spray. No thinning needed. Apply at 400 sq ft/gal (10 m2/L). Actual coverage may vary based on substrate and application. For airless spray use a .015" tip. Adjust pressure as needed. Some stains may require a second coat. Highly water soluble stains may require multiple coats for best results. If painting will be interrupted for more than 15 minutes, keep brushes and rollers wet by wrapping them with tinfoil or plastic wrap. This will prevent the paint from drying in the equipment and will make clean up much easier when the job is finished. Do not apply when surface or air temperature is below 50°F (10°C). Provide good ventilation and warmth for normal drying.

PRECAUTIONS: DO NOT allow product to freeze. Protective clothing and eye-wear should be used during application of this product. When transporting this product, ensure the lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store prod-

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Manufactured by: Gardner-Gibson, Inc.
Tampa, FL 33605



See MSDS for more info

high performance + no compromises

8720

STAIN-HIDE™ PRIMER/SEALER
Data Sheet

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS

Weight Per Gallon	10.66 lbs.
Solids by Volume, (%) ASTM D2697	40%
Solids by Weight, (%) ASTM D1259	52%
Consistency	Brush, spray or roller
Coverage Rate	400 sq. ft./ gal
Film Thickness	4.0 mils wet/ 1.6 mils dry
Viscosity	100 KU
Cure Time (50% Relative Humidity, 70°F)	30 min.
Full Cure (50% Relative Humidity, 70°F)	1 hour
Application Temperatures	55° and rising
Flammability	N/A (water-based)
Clean-up Tools	Soap and warm water

Approx. Shipping Weights: (Note: All approx. weights include container.)

1 gallon (3.8L)	11.5 lbs.
(4) 1 gallon containers/case	46 lbs.

uct in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. Do not store at temperatures above 100°F. Do not use in drinking water or food systems. For longest life, store in controlled environment, 50°F-80°F. Do not store in direct sunlight. Avoid prolonged breathing of vapor or spray mist. Use proper protection and adequate ventilation when using product. Close container when not in use.

CAUTION! HARMFUL OR FATAL IF SWALLOWED.
KEEP OUT OF REACH OF CHILDREN
USE WITH ADEQUATE VENTILATION

FIRST AID: In case of: **Ingestion:** Contact a physician immediately. **Skin contact:** Wash thoroughly with soap and water. **Eye contact:** Flush thoroughly with clean, room temperature water and contact a physician immediately.

Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CALIFORNIA PROPOSITION 65 REQUIRED WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm.

VOC: 0 g/L (Less water and exempt)

Titanium Dioxide, CAS# 13463-67-7; Kaolin Clay, CAS# 92704-41-1; Acrylic Resin, CAS# Mixture; Water, CAS# 7732-18-5.

WARRANTY AND DISCLAIMER: Gardner-Gibson, Inc., warranties this product to give satisfactory results when our directions are followed in its use and application, for a period of 12 months from the date of purchase. In no event however shall the manufacturer be liable for an amount in excess of the purchase price of the product used. If not completely satisfied, return to place of purchase for a refund.



Gardner-Gibson, Inc. • P.O. Box 5449 • Tampa, Florida 33675-5449
Phone: (813) 248-2101 • Fax (813) 248-6768 • www.gardner-gibson.com

DULUX TRADE STAIN BLOCK PLUS

307

PRODUCT INFORMATION

Typical Use	<p>Dulux Trade Stain Block Plus is a water-based primer suitable for use on interior walls and ceilings. It is formulated to prevent the migration of stains through the finished paint film and also to seal and bind dry, friable and powdery interior surfaces such as plaster, brick, limewash and distemper. It is the effective treatment for stains caused by: water-based and solvent-based inks, crayon, biro, coffee, grease, scuff marks, water stains, tobacco tar and fire damage. Dulux Trade Stain Block Plus is also recommended for use with the Dulux Trade Special Effects range.</p> <p>Before preparing any surface for painting, read the Health, Safety & Environmental information on page 2 about old lead-based paints.</p>
Codes according to the List of Wastes Regulations	<p>Product as supplied: Assigned as non-hazardous waste code 08 01 12 waste paint and varnish other than those mentioned in 08 01 11.</p> <p>Part-used containers, containing dried residues of the supplied product: Assigned as hazardous waste code 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.</p> <p>Used containers, rigorously scraped out and containing dried residues of the supplied product: Assigned as hazardous waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances.</p> <p>"Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.</p> <p>These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.</p>
Pack Size	1, 2.5 and 5 litre.
Colour Range	White.
Composition (nominal)	<p>Pigment: Titanium dioxide, zinc oxide & inert extenders.</p> <p>Binder: Water-based emulsion.</p> <p>Solvent: Water.</p>
Volume Solids	43% (nominal).
Thinning	This product does not require thinning.
Application Method	Brush or short pile roller. Do not spray.
Drying Times	<p><i>Single coat at standard thickness:</i></p> <p>Touch Dry: Dependent upon temperature and humidity.</p> <p>Recoat: 6-8 hours.</p> <p>Note - This product can usually be recoated within 6-8 hours but on very porous surfaces a longer drying time may be required.</p>
Practical Coverage	A guide to the practical coverage which can be achieved under normal conditions is up to 14m ² / litre.
Cleaning Up	After use, remove as much paint as possible from brushes before cleaning with clean water. Do not use or store in extremes of temperature and protect from frost.

SURFACE PREPARATION

Surfaces must be clean, dry, free from all defective or poorly adhering material, efflorescence, dirt, grease, wax etc.

Where necessary surfaces should be rubbed down using a suitable abrasive paper and then dusted off (refer to your COSHH Assessment).

Do not abrade Dulux Trade Stain Block Plus before recoating.

SYSTEM INFORMATION

Stir thoroughly before use.

After suitable preparation, the normal recommendation is to apply one coat of Dulux Trade Stain Block Plus, followed by the appropriate Dulux Trade finishing system. Two coats of Dulux Trade Stain Block Plus will be necessary for difficult stains.

DULUX TRADE STAIN BLOCK PLUS

When blocking stains caused by water or damp, make sure the original cause of the problem has been rectified. When Dulux Trade Stain Block Plus is applied initially it will draw the stain into itself and then seal it, this is not a defect.

HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

WATER-BASED PAINT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains cobalt carboxylate. May produce an allergic reaction.

Ensure good ventilation during application and drying.

Avoid contact with skin and eyes. When applying it is advisable to wear eye protection.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser. Do not use solvent, thinners or white spirit.

Keep out of the reach of children.

If swallowed, seek medical advice immediately and show this container or label.

Do not use or store by hanging on a hook. Do not empty into drains or watercourses.

Avoid release to the environment. Refer to special instructions/Safety data sheets.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding.

Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead. For further advice contact ICI Paints Technical Group, at ICI Paints/AkzoNobel, Wexham Road, Slough SL2 5DS.

Tel: 08444 817 818

EU limit value for this product (cat A/g) : 50g/l (2007) / 30g/l (2010)

This product contains max. 25g/l VOC

See www.duluxtrade.co.uk

VOC Content Low 0.30% - 7.99%. VOCs (Volatile Organic Compounds) contribute to atmospheric pollution.

Dulux Trade, The ICI Roundel and the distinctive livery are trademarks of AkzoNobel.

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KILZ CLEAN START® PRIMER PRODUCT FACT SHEET

PRODUCT DESCRIPTION:

Masterchem Industries, makers of America's most-trusted primer brand, introduces KILZ Clean Start® primer at The Home Depot, a zero volatile organic compound (VOC) *, high performance interior/exterior water-based primer, sealer and stainblocker, perfect for at-home paint enthusiasts and professionals alike. The zero VOC and low-odor formula addresses indoor air quality concerns related to VOCs while delivering the quality performance expected from other KILZ brand primers.

In addition to its sealing and stainblocking power, starting a paint project with a quality primer like KILZ Clean Start primer allows for fewer top coats. It is intended for use on most interior and exterior surfaces, including woodwork, drywall, plaster, paneling, masonry, brick, painted metal and properly prepared glossy surfaces.

PRODUCT FEATURES:

- Zero VOCs
- Sealing and stainblocking power
- Low odor during and after application
- Interior/exterior multi-purpose application
- Excellent adhesion and hide
- Easy soap and water clean up
- Blocks tannin bleed
- Mildew-resistant finish
- Improves and strengthens top-coat paint appearance
- This quality primer allows for fewer top coats

AVAILABILITY/PRICING:

KILZ Clean Start can be found at The Home Depot stores in the following areas: Austin, Seattle, Tacoma, Portland, Colorado, Maine, New Hampshire, Utah, Minnesota and Washington D.C. Suggested pricing is between \$21-\$25/gallon depending on location.

WEB SITE:

For more priming and painting information, visit www.kilzcleanstart.com

FOR MORE INFORMATION:

Please contact Colleen Ores at 312/616-2434 or cores@ck.com

About Masterchem Industries, LLC

Masterchem Industries, founded in 1954 in St. Louis, MO., is committed to developing, manufacturing and marketing the highest quality and most innovative specialty coatings available to consumers and professional contractors. The company specializes in architectural paints and primers as well as waterproofers, concrete care products, applicators and stains. Masterchem Industries' brands include KILZ[®], KILZ 2[®], KILZ[®] Casual Colors[®], HAMMERITE[®], Rust Cap[®] and others.

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* Per EPA Test Method #24. See product label for more details.



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 705

H2O FUSION WATERBORNE ALKYD UNIVERSAL PRIMER/SEALER STAIN KILLER

PRODUCT DESCRIPTION

Richard's Waterborne Alkyd Universal Primer/Sealer Stain Killer is formulated using a state-of-the-art waterborne alkyd which provides a universal primer/sealer that offers excellent product versatility, and meets the performance standards for both professional and residential applications. Its special formulation blocks out most stains, such as water, smoke, tannin, ink, lipstick, crayons, pencils, markers, etc. Easy to apply, it provides superior coverage, and offers excellent priming and sealing properties. It's **LOW VOC** and low odor properties are perfect for Hospitals, Schools, Factories, Food Processing Plants and Government Institutions and its product versatility makes it an excellent whole house primer for application to a variety of properly prepared interior and exterior substrates. Mildew Resistant – This paint contains agents that inhibit the growth of mildew on the surface of this paint film. **FOR INTERIOR & EXTERIOR USE!**

SUGGESTED PRODUCT USE

SUITABLE FOR BUT NOT LIMITED TO THE FOLLOWING PROPERLY PREPARED SURFACES:

**DRYWALL * WOOD TRIM * WOOD DOORS * SHELVING * CABINETS * FURNITURE
* ALUMINUM * EQUIPMENT * TANKS * FERROUS METAL**

LIMITATIONS: Not for use on masonry, galvanized, or zinc coated surfaces. Not for use with 2-part epoxy or 2-part urethane top-coats. Not for exposure to strong chemical environments.

PRODUCT FEATURES

**EASE OF APPLICATION * SUPERIOR DURABILITY * PRODUCT VERSATILITY
LEAD FREE * RUST PREVENTATIVE * EXCELLENT ADHESION * RESISTS SAGGING**

PRODUCT SPECIFICATION DATA

* COLORS:	White
* FINISH:	Flat
* FLASH POINT:	N/A
* METHOD USED:	N/A
* COATING V.O.C.:	Not To Exceed 0.41 LB/GAL. - (50 GRAMS/LTR.)
* SOLIDS:	By Volume: 42.85% ± 2% By Weight: 56.67% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.0 mils - (Estimated at 400 Square Feet Per Gallon) Dry: 1.7 mils - (Estimated at 400 Square Feet Per Gallon)
* ESTIMATED COVERAGE:	Covers approximately 400 square feet per gallon, depending on the type of application and the porosity of the surface to be painted.
* CLEAN UP:	Soap & Water
* THINNING:	May be thinned with up to ½ pint of clean water per gallon if necessary.
* ESTIMATED DRY TIME:	Dries to the touch in 1-2 hours, minimum time before recoat 6-8 hours, or after allowing to dry overnight, depending on drying on conditions..

PRODUCT ANALYSIS DATA

PIGMENT: 34.05%

VEHICLE: 65.95%



MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

SURFACE PREPARATION: The surface to be painted must be clean, dry, and free from dirt, grease, salts, rust, mildew or other contaminants that may cause paint failure. Wash the surface with the appropriate cleaner, rinse and allow to thoroughly dry. Remove any loose or peeling paint and **SAND GLOSSY SURFACES DULL.**

Bare metal: Surfaces should be solvent cleaned in accordance with **SSPC-SP 1** specifications pertaining to surface preparation for the solvent cleaning of steel and metal surfaces for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants from the surface. Remove any loose scale, and loose rust by hand scraping, sanding, or wire brush cleaning in accordance with **SSPC-SP 2** specifications pertaining to hand tool cleaning, or **SSPC-SP 3** specifications pertaining to power tool cleaning of loose, non-adherent material on metal surfaces as set forth by the *Steel Structures Painting Council*.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD, or log on to www.epa.gov/lead

Topcoats: The following Richard's products represent a partial list of recommended topcoats for this primer coating.

Interior Surfaces: Richard's Paint Rich Wall, Rich Classic or Rich Air products.

Exterior Surfaces: Richard's Paint Signature Series, Eternity, or Rich Shield products.

PRODUCT APPLICATION

APPLICATION: Stir product well before application. Thinning is not necessary. Always apply this product in thin coats allowing ample time between coats. Applying this coating in thicker coats could cause the paint film to remain tacky for 48 hours or more depending on conditions and air circulation. If applying by airless spray, use a 0.015 - 0.017 orifice spray tip. Mohair or short nap woven roller covers (1/4" to 3/8"), and Nylon or Polyester brushes are recommended for brush and roll application. For best results, it is recommended to apply no more than 4 mils wet film thickness per coat, and allow 6 to 8 hours dry time before applying a second coat. Apply at temperatures above 55 degrees.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Follow local disposal requirements to dispose or recycle unused product.

PRECAUTIONS

CAUTION: KEEP OUT OF REACH OF CHILDREN! Avoid prolonged contact with skin and breathing of vapors and/or spray mists. **USE WITH ADEQUATE VENTILATION!** Where ventilation is inadequate, use a suitable respirator. When spraying this material, use an OSHA approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of soap and water. For eye contact, flush thoroughly with plenty of water for 15 minutes, **Seek Immediate Medical Attention!** If affected by inhalation, move immediately to fresh air. If swallowed,

Do Not Induce Vomiting, Seek Immediate Medical Attention!

MIXING INSTRUCTIONS & PACKAGING

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!** However, if thinning is required, you may add Clean Water up to 1/2 pint per gallon.

* Pint Cans: N/A

* Quart Cans: 6 Per Case

* Gallon Cans: 4 Per Case

* Two Gallon Cans: N/A

* Five Gallon Cans: Each

* Weight Per Gallon: 11.09lbs.

ALL TECHNICAL DATA INFORMATION CONTAINED HEREIN IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. ALL WARRANTIES ARE EXCLUDED, WHETHER EXPRESSED OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER SHALL NOT BE LIABLE, (DIRECTLY OR INDIRECTLY), UNDER ANY CIRCUMSTANCES FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR ANY OTHER TYPE OF DAMAGES ARISING OR RESULTING FOR ANY REASON UNDER THE SALE, HANDLING, OR USE OF GOODS SOLD. SELLER'S LIABILITY HEREUNDER, AND BUYER'S EXCLUSIVE REMEDY HEREUNDER, FOR NEGLIGENCE OR ANY OTHER REASON, IS EXPRESSLY LIMITED TO REIMBURSEMENT OF THE PURCHASE PRICE OF THE MATERIALS SOLD AFTER PROOF OF PURCHASE IS PROVIDED TO THE SELLER. NOTICE OF ANY ALLEGED FAILURE OR DEFECT IN THE MATERIALS MUST BE GIVEN TO THE SELLER IN WRITING BY CERTIFIED U.S. MAIL WITHIN 15 DAYS OF FIRST NOTICING THE PROBLEM. FAILURE TO GIVE THE REQUIRED NOTICE WITHIN THE TIME PROVIDED CONSTITUTES A WAIVER OF ANY CLAIM. THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY MISREPRESENTATION MADE BY THE DEALER.

Any additional information regarding our products and/or pricing is available through **Richard's Paint Mfg. Co., Inc.**, or through its local area **Richard's Representative.**



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 7-44

PREPS • PRIMES • SEALS 100% ACRYLIC
UNIVERSAL PRIMER/SEALER STAIN KILLER

PRODUCT DESCRIPTION

Richard's PPS 100% Acrylic Universal Primer/Sealer Stain Killer is a specially formulated 100% acrylic, universal primer/sealer that offers excellent product versatility, and meets the performance standards for both professional and residential applications. Its special stain blocking formulation provides excellent block-out of surface stains and surface markings, such as water stains, pencil marks, inks, crayon marks, smoke stains, lipstick, wallpaper, etc. which can bleed through most applied finish paint coatings. Easy to apply, it provides superior coverage, primes and seals, is fast drying, and has a low odor. It bonds to glossy surfaces, is mildew resistant, provides excellent Ph resistance, promotes excellent sanding, and its product versatility makes it an excellent whole house primer for a variety of interior and exterior applications. **FOR INTERIOR & EXTERIOR USE!**

SUGGESTED PRODUCT USES

SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED SUBSTRATES:

**GYPHUM DRYWALL • PLASTER • CEILINGS • WOOD DOORS & TRIM • VINYL, WOOD & METAL SIDING • MASONRY
STUCCO • CONCRETE BLOCK • BRICK • GALVANIZED METAL • ALUMINUM • FORMICA • CERAMIC TILE
STAINS & SURFACE MARKINGS • WATER & FIRE DAMAGE • WALLPAPER**

PRODUCT FEATURES

**100% ACRYLIC • PRIMES & SEALS • EASY TO APPLY • SUPERIOR COVERAGE • MILDEW RESISTANT • FAST DRY
PH RESISTANT • BONDS TO GLOSSY SURFACES • SANDS EASILY • SEALS-OUT SURFACE STAINS & MARKS • LOW ODOR
EXCELLENT PRODUCT VERSATILITY • WHOLE HOUSE PRIMER**

PRODUCT SPECIFICATION DATA

* COLORS:	White Only. May be tinted with 888 Universal Colorant up to 2oz./Gallon.
* FINISH:	Flat
* FLASH POINT:	232° F.
* METHOD USED:	T.C.C.
* COATING V.O.C.:	Not To Exceed - .42 LB/GAL. - (50 GRAMS/LTR.)
* SOLIDS:	By Volume: 37.05% ±2% By Weight: 52.07% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.6 Mils - (Estimated at 350 Square Feet Per Gallon). Dry: 1.7 Mils - (Estimated at 350 Square Feet Per Gallon).
* ESTIMATED COVERAGE:	Covers approximately 300 - 400 square feet per gallon, depending on the type of application and the porosity of the surface to be painted.
* CLEAN UP:	Warm Soapy Water
* THINNING:	Clean Water
* ESTIMATED DRY TIME:	Dries to the touch in approximately 30 - 45 minutes, for recoat in 1 - 2 hours, or after overnight dry, depending on conditions.

PRODUCT ANALYSIS DATA

PIGMENT: 33.49%

VEHICLE: 66.51%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound and free from all dirt, dust, grease, oils, waxes, mildew, mil scale, rust scale and any other surface contaminants. Remove any loose scale, chalked, cracked, and peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing, or by power tool cleaning methods, such as electric sanders, grinders, etc. Remove any loose rust, mills scale, and white rust from metal surfaces by the same methods as described above. Repair/replace all damaged, deteriorated, and surface imperfections with the proper patching and/or building materials. Sand smooth all rough paint edges to the adjacent substrate. Glossy surfaces should be properly dulled.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD, or log on to www.epa.gov/lead.

PRODUCT APPLICATION

Richard's PPS 100% Acrylic Universal Primer/Sealer Stain Killer may be easily applied with a quality brush, roller, or airless spray equipment. For best results, it is recommended to apply with a brush or roller to effectively work primer into surface pores. If applying by brush, apply a smooth and generous coat application on small surface areas, such as trim or cutting larger surface areas. If applying by roller, apply an even and generous coat application in an "W" or crisscross motion, avoiding any excessive respraying or reworking. Maintain a wet edge by brushing/rolling into previously applied coating area. If applying by airless spray equipment, it is recommended to use a unit with a minimum of 2000 psi of pressure, with a 0.017 - 0.019 fluid spray tip. It is also recommended to back-roll/brush the surface area during spray application to effectively work primer into surface pores, insure proper adhesion and an even coat application. Allow primer to dry thoroughly before application of finish paint coatings. Apply when surface and ambient temperatures are above 55° F. and below 90° F. Avoid exterior paint application when weather conditions are threatening and late in the afternoon when there is a threat of moisture condensing on wet paint. **KEEP FROM FREEZING!**

PRECAUTIONS

CAUTION: KEEP OUT OF REACH OF CHILDREN! Avoid prolonged contact with skin and breathing of vapors and/or spray mists. **USE WITH ADEQUATE VENTILATION!** Where ventilation is inadequate, use a suitable respirator. When spraying this material, use an OSHA approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of contact, wash thoroughly with plenty of soap and water. For eye contact, flush thoroughly with plenty of water for 15 minutes, **Seek Immediate Medical Attention!** If affected by inhalation, move immediately to fresh air. If swallowed, **Do Not Induce Vomiting! Seek Immediate Medical Attention!**

MIXING INSTRUCTIONS & PACKAGING

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!** However, if thinning is required, you may add **Clean Water** up to ½ pint per gallon.

* Pint Cans: N/A

* Quart Cans: N/A

* One Gallon Cans: 4 Per Case

* Two Gallon Pails: N/A

* Five Gallon Cans: Each

* Weight Per Gallon: 10.82 lbs.

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Any additional information regarding our products and/or pricing is available through **Richard's Paint Mfg. Co., Inc.**, or through its local **Richard's Representative**.

REV 6/09



Technical Data Bulletin

11 Hawthorn Parkway
Vernon Hills, IL 60061

An RPM Company

Smart Prime

Advanced Water-Base Technology Primer For All Projects



Product No.
249728
249729
249727

Generic Type: White pigmented, modified acrylic water-base primer-sealer stain killer & bond coat.

PERFORMANCE CHARACTERISTICS

- Bonds to glossy surfaces without scuff sanding
- Formulated with proprietary stain-blocking resins
- Rust inhibitive – may be used to prime ferrous metal
- Dried film is mold and mildew resistant
- Binds moderately chalky surfaces
- Dries in minutes, can be recoated in 1 hour

RECOMMENDED USES

Apply to interior and exterior walls, ceilings, doors, trim, fascia, soffits, foundations, railings, and related paintable surfaces. Smart Prime bonds to wood, plaster, concrete, gloss enamels, hardboard, glass and tile. Provides a rust inhibitive coating on iron railings, steel frames, piping, etc. Resists the growth of mold and mildew on primer film in damp, humid environments. Seals porous surfaces and traps most stains in the primer film – water, graffiti, grease, rust, cedar & redwood tannin, creosote, and asphalt stains. Allow two hours dry time when using as a stain blocker. Some stains may require a second coat.

- Interior - New and previously painted drywall, plaster/ cement based coatings, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, iron, steel, stainless steel, galvanized metal), vinyl, PVC, fiberglass, masonry (stucco, concrete block, poured concrete, brick).
- Exterior - New or previously painted wood (pine, fir, cedar, redwood, T-111, plywood, pressure treated wood), hardboard, asbestos shingles, glass, metal (aluminum, iron, steel, stainless steel, galvanized metal), PVC, rigid plastics, aluminum and vinyl siding, fiberglass and masonry (stucco, concrete block, poured concrete, HardiPlank®, brick).
- Rust Inhibitive – Dries to a tight, water resistant film that inhibits development and spread of rust on metal. Remove rust and wipe surface clean with a rag dampened in alcohol.
- Mold & Mildew Resistance – Resists the growth of mold and mildew on the primer film.
- Cedar & Redwood Bleed – Traps tannins in the primer film to prevent them from 'bleeding' into the finish coat. Allow to dry overnight before applying topcoat. Very porous woods may require two coats before topcoat.

Chalky Siding: Contains chalk-binding resins for use on moderately chalked aluminum or previously painted siding and trim.

Glossy Surfaces: Adheres to glossy enamel paints and clear finishes, Formica®, Masonite®, PVC, fiberglass, vinyl – even ceramic tile – without pre-sanding or surface de-glossing.

Surface Preparation: Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive or any contamination that may interfere with adhesion. If unsure, always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers. Attempt to remove existing stains by washing, sanding, scraping, etc. Kill exterior mildew with Zinsser JOMAX® House Cleaner and Mildew Killer. Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers. Countersink exposed nail heads and fill all nail holes and gouges with Ready Patch®. Remove interior mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools follow appropriate guidelines for mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer. Spot prime knots and sap streaks with Zinsser B-I-N® Primer-Sealer before priming full surface with Smart Prime.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-Approved respirator to control lead exposure. Clean up Carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application Conditions: Apply when air and surface temperature is between 50° and 90° F (10° and 32° C) and relative humidity is less than 85%. Substrate moisture content should not exceed 12%.

Application Methods: Shake or stir before using. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat paints. For best results, prime entire surface before painting. Keep container closed when not in use.

- Brush, Roller or Pad – Use synthetic (nylon, polyester or blend)
- Airless Sprayer – Use .017" tip @ 2000–2500 PSI
- Conventional Sprayer – Spray at 50 – 60 PSI

Tinting: Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps it hide in one coat. For mid or deep-tone colors use Bulls Eye 1-2-3 DEEP TINT. (Note that the addition of universal colorant may prolong the dry time of this product)

Thinning: If thinning is necessary add no more than 10 fl. oz. (296 ml) clean water per gallon and stir thoroughly. Note that thinning the primer may affect its stain-blocking properties.

Dry Time: In most cases Smart Prime will dry to the touch in 30 minutes and can be recoated after 1 hour. The dry primer film develops full adhesion after it cures in 7 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

Coverage: Approx. 400 sq. ft. (37 m²) per gallon on smooth, painted, non-porous surfaces; 350 sq. ft. (33 m²) per gallon on rough, unpainted, porous surfaces. Application losses may vary according to the porosity of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

Cleanup: Clean up spills and drips with liquid detergent and warm water. If spills or drips have dried use denatured alcohol or ammoniated detergent to soften and remove primer. Wash application tools in a solution of detergent and water immediately after use. If dried on tools let soak overnight in a solution of equal parts ammoniated detergent and water. Scrub bristles clean with a wire brush. Follow manufacturer's instructions when cleaning spray equipment.

Precautions: Keep away from children. Do not take internally. Avoid inhalation of spray or prolonged skin contact. To prevent product from skinning over, close container after each use. Keep lid tightly closed during storage. Protect from freezing. If contents freeze, thaw to room temperature before using.

Warranty: *Smart Prime* is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warranties and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

Typical Physical Properties

Percent Solids, Weight:	50.9%
Percent Solids, Volume:	35.2%
Density:	10.8 lbs./gal
Viscosity Range:	95 to 100 KU
Theoretical Spread Rate	
@ 1 mill DFT:	540 sq. ft (50 m ²)/gal
Dry Time @ 75° F/50% RH:	Touch: 30 min Recoat: 1 hour
Stain Sealing @ 75° F/50% RH:	2 hours 24 hrs over cedar
Adhesion Cure @ 75° F/50% RH:	7 days
Cured Gloss @ 85°:	5.0
Cured Enamel Holdout:	1.5%
Cured Wet Adhesion:	Pass 2000 cycle scrub
Cured Flexibility (1/4" Mandrel):	Pass /5A
Flame Spread (ASTM-84-97A):	Class A
Smoke Contrib. (ASTM-84-97A):	Class A
Flash Point (ASTM D3278):	>200° F (93° C)
VOC:	0 g/L
Freeze/Thaw Stable:	Yes
Shelf Life:	60 mo @ 75° F (24° C)
Storage/Handling:	Store indoors 40° - 90° F (4° - 32° C)

Disposal – Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

Limitations – Not recommended for floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

Technical Assistance - Available through local authorized Zinsser dealers. For the dealer nearest you call 732-469-8100 or visit our website at www.zinsser.com.

PACKAGING & SHIPPING INFORMATION

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	249728	1	57 lbs.	36
1 gallon	249729	2	11.4 lbs.	45
1 quart	249727	6	2.85 lbs.	112

Read and carefully follow all information on this Technical Data Bulletin, on the product label and the material safety data sheet for this product. To the best of our knowledge, the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum's quality control and assume no responsibility for coverage, performance or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.

Rust-Oleum Corporation, 11 Hawthorn Parkway, Vernon Hills, IL 60061

An RPM Company

Phone: 847•367•7700

www.rustoleum.com

Material Safety Data Sheet

Section 1 General Information

Manufacturer:

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061

24 Hour Assistance: 1-847-367-7700

www.rustoleum.com

Date: July 23, 2009

Product Name: Zinsser SMART PRIME

Codes: 249727 249728 249729

Section 2 Composition / Information on Ingredients

<u>Chemical name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>
Talc	14807-96-6	10.0	2mg/m3	N.E.
		<u>OSHA PEL-TWA</u> 20mppcf	<u>OSHA PEL CEILING</u> N.E.	

Section 3 Hazard Identification

Emergency Overview: Use ventilation necessary to keep exposures below recommended exposure limits, if any

Effects of Overexposure – Eye Contact: Causes eye irritation.

Effects of Overexposure – Skin Contact: Substance may cause slight skin irritation.

Effects of Overexposure – Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects of Overexposure – Ingestion: Substance may be harmful if swallowed.

Effects of Overexposure – Chronic Hazards: No Information.

Primary Route(s) of Entry: Skin Absorption, Inhalation, Ingestion, Eye Contact.

Section 4 First Aid Measures

First Aid – Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid – Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid – Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

First Aid – Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

Section 5 Fire Fighting Measures

Flash Point (Setaflash): > 200° F
LOWER EXPLOSIVE LIMIT: 1.0%
UPPER EXPLOSIVE LIMIT: N.A. %

Extinguishing Media: Foam, Alcohol Foam, CO₂ Dry Chemical, Water Fog.

Unusual Fire And Explosion Hazards: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent buildup of steam.

Section 6 Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes. Wash hands before eating..

Storage: Keep from freezing. Keep container closed when not in use.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Other Protective Equipment Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinkin

Section 9 Physical Data

Appearance:	White emulsion.	Odor:	Mild.
Physical State:	Liquid	pH:	N.D.
Boiling Point:	Approximately 212° F	Vapor Pressure:	N.D.
Vapor Density:	N/D	Solubility in Water:	Miscible

Specific Gravity (water = 1): 0.148

Section 10 Stability and Reactivity

Stability: This material is stable under normal storage conditions.

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flam, carbon monoxide and carbon dioxide.

Conditions to Avoid: Avoid contact with strong acid and strong bases

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Section 11 Toxicological Information

Product LD50: N.D. **Product LC50:** N.D.

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Talc	N.E.	N.E.

Section 12 Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 Disposal Considerations

Disposal Information: Dispose of material in accordance to local, state and federal regulation and ordinances. Do not allow to enter storm drains or sewer systems.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Section 14 Transportation Information

DOT Proper Shipping Name: Paint, unregulated	Packing Group: N.A.
DOT Technical Name: N.A.	Hazard Subclass: N.A.
DOT Hazard Class: Not Regulated	Resp. Guide page: N.A.
DOT UN/NA Number: N.A.	

Section 15 Regulatory Information

CERCLA – SARA Hazard Category

This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories”

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Toxic Substance Control Act:

Listed below are the substance (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows –

New Jersey Right-to-Know:

The following material are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Oxidane	7732-18-5
Polymer Additive	MIXTURE
Water	7732-18-5
Titanium Dioxide	13463-67-7
BARIUM SULFATE	7727-43-7

Pennsylvania Right-to-Know

The following non-hazardous ingredients are present in the product at greater than 3%

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

<u>Chemical Name</u>	<u>CAS Number</u>
Oxidane	7732-18-5
Polymer Additive	MIXTURE
Water	7732-18-5
Titanium Dioxide	13463-67-7
BARIUM SULFATE	7727-43-7

California Proposition 65:

This product contains no chemical known by the State of California to cause cancer.

This product contains no chemical know by the State of California to cause birth defects or other reproductive hard.

International Regulations: As follows –

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Section 16 Other Information

Legend: N/A: Not Applicable
N/E: Not Established
STEL: Short Term Exposure Limit
PPM: Parts Per Million
PEL: Permissible Exposure Limit
TWA: Time Weighted Average
mppcf: Million particles per cubic foot of air.
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and recovery Act
SARA: Superfund Amendment and Reauthorization Act
TSCA: Toxic Substance Control Act
FHSA: Federal Hazardous Substance Act

N/D: Not Determined
N/R: Not Required
C: OSHA Ceiling Value
PPB: Parts Per Billion
TLV: Threshold Limit Value
mg/m³: Milligrams per cubic Meter

Prepared By: Rust-Oleum Regulatory Compliance Dept.
173 Belmont Drive Somerset, NJ 08875 (732) 469-8100

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Disclaimer: Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated



PRODUCT DATA SHEET

UGL® ECOLOK™ PRIMER SEALER

DESCRIPTION

UGL EcoLok Primer Sealer is a multi-surface interior / exterior stain blocking primer sealer for use on wood, composite deck products, T-111, vinyl, PVC plastic, tile, clear polyurethane finishes, masonry, fiber cement, ceiling tiles, textured hardboard, sheetrock, cement board, glossy painted surfaces, chalking paint and properly prepared galvanized steel. UGL's EcoLok superior priming performance prevents bleed through into the finish coat on tannin containing woods such as redwood, cedar and fir. Primes and seals most interior household stains, mineral stains, rust stains, watermarks, crayon, ink, pencil and hand prints. UGL EcoLok's high hide formula is the perfect primer over deep or bold colors.

SURFACE PREP

Surface must be clean and dry and free of all loose dirt, dust, wax, mildew, scaling material and flaking paint. Sand glossy surfaces to improve adhesion. Replace loose, cracked or warped boards and repair any damaged areas. Unpainted exterior wood exposed to sun and weather for longer than two weeks must be cleaned and sanded prior to priming. On high tannin containing woods such as redwood, cedar and fir, two coats may be necessary. All mold and mildew must be cleaned with a solution containing 1/3 cup heavy-duty laundry detergent, 1 quart household bleach and 3 quarts of warm water.

Apply with a scrubbing brush. Rinse thoroughly and allow to dry before applying the primer. Do not apply to bare masonry surfaces subjected to hydrostatic water pressure.

Previously painted or stained wood:

Clean previously painted surface thoroughly. Remove all loose or flaking paint by scraping. Sand glossy paint surfaces to improve adhesion. Spot prime areas where previous coating has peeled or worn away, then prime the entire surface.

Mineral Staining: Mineral staining is caused by naturally occurring minerals present in the masonry. To control mineral stains which have bled through a surface painted with a masonry waterproofer, apply one coat of UGL EcoLok Multi-Surface Primer Sealer over the existing masonry coating. Topcoat with an additional coat of a masonry waterproofing paint for a uniform appearance.

APPLICATION

Apply when surface and air temperatures are greater than 50°F. Apply straight from the can. **DO NOT THIN.** Apply by brush, roller or spray. Do not apply to horizontal surfaces if rain is expected within 24 hours. Avoid applying in direct sunlight. Maintain a wet edge to avoid lapmarks. If spraying, reduce up to 10% with clean water. Special ISP Cleanguard Biocide additive prevents the growth of mold and mildew on the dried primer film. Can be top coated with ZAR Deck & Siding Solid Color Exterior Stain or other quality latex paint for decorative purposes.

TINT

May be tinted with up to 2 Fl.oz. of universal colorant per gallon.

WARNING

If you scrape, sand, or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CLEAN UP

Use warm soapy water.

CAUTION

Avoid prolonged contact with skin or breathing of spray mist. Close container after use. **DO NOT TAKE INTERNALLY. KEEP FROM FREEZING.** Please read the Material Safety Data Sheet for additional information.

AVAILABILITY

UGL EcoLok Multi-Surface Primer Sealer is available in gallons only. It may be purchased at hardware stores, home centers, paint stores and lumber yards.

PRODUCT DATA
UGL ECOLOK PRIMER SEALER

UGL® ECOLOK™ PRIMER SEALER

TECHNICAL DATA

Viscosity

95 to 105 KU

% Solids by Weight

49 to 51

% Solids by Volume

34 to 36

Coverage

250 to 350 ft. ²/Gallon

Recommended film thickness/coat

5 wet mils

Dry time (to touch)*

30 minutes

Dry time (to recoat)*

1 hour

Dry time (to maximum hardness)*

24 hours

VOC Content

<50 g/L

Gloss

Flat

*Dry time is dependent upon temperature, humidity and film thickness. Apply when temperature is between 50° and 90° F. If, while sanding, sandpaper gums or surface feels tacky, extend drying time.

LR1/09

The logo for UGL (United Gilsonite Laboratories) features the letters 'UGL' in a bold, stylized, blocky font. The letters are white with a thick black outline, giving them a three-dimensional appearance. The 'U' and 'G' are connected at the top, and the 'L' is separate.

United Gilsonite Laboratories:
Corporate Headquarters
1396 Jefferson Avenue
Dunmore, PA 18509
Tel: 1-800-272-3235
www.ugl.com

valspar

Multi-Purpose Interior/Exterior Latex Primer



Product Description

Valspar® Interior/Exterior Primer is a fast dry, low odor white pigmented primer/sealer. It's great for blocking a variety of stains including light water spots, graffiti, lipstick, crayon, grease, rust streaks, asphalt, pencil, smoke damage, surface burns, tannin bleed and mildew stains.

Features

- Adheres to Glossy Surfaces Without Sanding
- Blocks Stains
- Fast Drying
- Low Odor, Low VOC

Recommended Uses

- Wood
- Plaster
- Drywall
- Patching Compound
- Tape Joints
- Masonry
- Brick
- Plywood
- Ceiling Tiles

Colors and Base Information

	oz./gal.
Tintable White	128

Tinting: To assist in dramatic wall color changes, tint with up to 2 oz. per gallon of Universal Tinting Colorants to a shade similar to desired topcoat.

Shipping and Packaging

Freight Classification: Paint or Paint Related Material. Protect from freezing.

Packaging: Gallon & Quart – 4 per carton
5-gallon pail

Typical Properties (168215 Tintable White)

Vehicle Type: Acrylic Resin

Sheen: 30 – 40 Units @ 60° angle

Solids by Volume: 40%

Solids by Weight: 51%

Weight per Gallon: 10.4 lbs./gal.

VOC: Less than 50 g/L

Viscosity: 93 – 101 Krebs Units

Dry Time: 77°F (25°C) @ 50% Relative Humidity

To the touch: 15 – 30 minutes

Recoat: 1 hour for latex topcoat
4 hours for oil topcoat

Surface Coverage:

Up to 400 sq. ft. (37.2 m²)/gal. depending on surface porosity

At: 4 mil Wet, 1.6 mil Dry

Storage and Disposal

- Keep container closed when not in use.
- Do not transfer contents to other containers for storage or disposal.
- In case of spillage, absorb with inert material such as sand or kitty litter.
- Dispose of contaminated absorbent, container and/or unused contents in accordance with local, state and federal regulations.

Surface Preparation

Read the Lead Warning in Cautions section. Clean and dry surface thoroughly. Scrub stained areas with an all-purpose cleaner to remove any residual stains. Remove all surface dirt, chalk, peeling paint and mildew.

PDS 0724

Surface Preparation

Stains: Most stains can be sealed in one coat; however, stubborn stains may require additional coats. Always test first in a small hidden area to determine actual sealing results. Spot priming stubborn stains may be required.

Mildew Stains: This product seals residual mildew stains, but will not resist active mildew growth. Active mildew must be removed prior to application by scrubbing area with a commercial mildew remover or a mix of 1 part liquid chlorine bleach to 3 parts water. Rinse thoroughly. Wear protective goggles and rubber gloves to avoid chemical contact with skin or eyes.

Previously Painted Surfaces: Normally, glossy surfaces would need to be dulled with a chemical deglosser or sanding; however, this product bonds to glossy surfaces with no sanding required.

New Wood Surfaces: Spot prime wood knots and areas of tannin bleed-through, once dry prime entire surface.

Metal: This product is not for use over metal but can be used over painted metal to seal light rust stains.

Application and Clean-up

Stir thoroughly before and occasionally during use. Apply only when air and surface temperatures are between 50 – 90°F (10 – 32°C). Thin only for spray application with up to 8 oz. water per gallon of paint. Apply with a premium quality polyester brush, “one coat” roller or airless sprayer. If applied by sprayer, back-roll or back-brush to work primer into the surface. Apply a liberal coat of primer uniformly, working well into the surface. Clean-up with warm, soapy water.

Cautions (168215 Tintable White)

WARNING: CONTAINS CRYSTALLINE SILICA. May cause eye and skin irritation. Avoid breathing spray mist or dust. If painting indoors, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits wear an appropriate, properly-fitted respirator (NIOSH-approved) during and after application. Follow respirator manufacturer's directions for respirator use. **AVOID CONTACT WITH THE EYES AND SKIN.** Wash thoroughly after use. Close container after each use.

WARNING: This product contains chemicals known to the State of California to cause cancer.

FIRST AID: EYE CONTACT: Flush thoroughly with water for at least 15 minutes. If irritation persists, **get medical attention.** **IF INHALED:** If affected by vapor or spray mist, move to fresh air. If breathing difficulty continues, **get medical attention.** **IF SWALLOWED:** Drink 2 glasses of water. **Get medical attention immediately.**

Delayed effect from long-term exposure: Cancer Hazard. Contains crystalline silica which can cause cancer. Risk depends upon duration and level of exposure to dust generated from sanding surfaces or spray mist.

DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN.
For additional safety and chronic health hazard information, refer to the Material Safety Data Sheet for this product.

EMERGENCY MEDICAL TELEPHONE:
1-888-345-5732

This product contains less than 50 g/L VOC

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Clean-up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

The data on this sheet represents typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product, is the replacement of the defective product, or a refund of its purchase price, at our option.

valspar

1191 Wheeling Rd, Wheeling, IL 60090 888-313-5569
www.valsparpaint.com

09/10

PDS 0724

Description

Carefree Prime-ZALL is an innovative universal primer created using breakthrough technology to offer unparalleled stain blocking for use in both interior and exterior applications. This unique formulation provides superior performance when compared with traditional solvent-based primers.

Carefree Prime-ZALL adheres to a variety of substrates including previously painted alkyds with a gloss finish. Carefree Prime-ZALL is low odor, low VOC and meets or exceeds air quality standards. The quick-drying properties of Carefree Prime-ZALL allow a finish/top coat to be applied within 40 minutes after application of this primer.

Recommended Uses

Interior and exterior woods including redwood and cedar. One coat of Carefree Prime-Zall will stop tannin bleed. Carefree Prime-ZALL is a great sealer and stain blocker for use on interior stains such as smoke and water damage. Carefree Prime-ZALL can also be used on stucco, galvanized metal or over aged alkyd surfaces, even those with a glossy finish.

Packaging

Quarts, one and five gallon containers

Surface Preparation

Wood: Clean contaminants from wood. Weathered wood should be sanded to remove deteriorated layers of wood fibers. For one coat tannin blocking percent moisture in wood should be less than 14%.

Cement and Stucco: Clean all efflorescence and other contaminants.

Interior Surfaces: Remove all contaminants that impair adhesion.

Galvanized: Etch all new galvanized metal.

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

Top Coat: 40 minutes

Coverage

225 - 275 square feet per gallon

Mil Thickness

Wet = 5.0 - 7.0 Dry = 2.0 - 2.5

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

TOTAL VEHICLE	68.0%
Proprietary Resin	48.1%
Additives	3.4%

Weights & Measurements +/-3.0%

Solids by Volume:	35.0%
Solids by Weight:	50.6%
VOC:	48 g/l
Weight Per Gal:	11.0 lbs.
Viscosity:	94 - 98 KU

Certification

SQAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with GS-11 / EQ 4.2.

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CAREFREE INT/EXT PRIMER
PART NUMBER : .8000
REVISION DATE: 07/01/2010
PRINT DATE: 9/15/2010

HMIS CODES: H F PH
1 0 E

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Vista Paint Corporation
ADDRESS: 2020 East Orangethorpe Avenue
Fullerton, CA 92831
INFORMATION PHONE: 714.680.3800
24-hour Emergency Phone: 714.680.3800

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	WT %	AGCIH LV/TWA PPM	OSHA Exposure Limits		Vapor Pressure mm Hg @ TEMP
				TWA PPM	STEL MG/M3	
None						
Titanium Dioxide	13463-67-7	7-25		15		

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Warning! This product contains a chemical(s) known to the state of California to cause cancer and birth defects, or other reproductive harm. P65 (CA)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT/RANGE: 212.0 - 212.0 SPECIFIC GRAVITY (H2O = 1.00): 1.29
VAPOR DENSITY: Greater than air. EVAPORATION RATE: Slower than ether.
COATING V.O.C.: 49.99 g/l MATERIAL V.O.C.: 18.58 g/l
SOLUBILITY IN WATER: Soluble.
APPEARANCE AND ODOR: Liquid, mild odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: Water spray, Carbon dioxide, Foam, Dry Chemical.
SPECIAL FIREFIGHTING PROCEDURES
Avoid confined area unless properly protected against potentially irritating and toxic fumes.
UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep away from heat. Containers may explode when exposed to extreme heat.

SECTION V - REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: None.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Carbon dioxide and/or monoxide, and unidentified organic compounds may be formed during combustion.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Vapor odors may cause irritation, nausea, headaches, and dizziness.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
EYE CONTACT: Can cause minor irritation, redness and tearing.
SKIN CONTACT: Can cause minor irritation.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can cause minor irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can cause nausea, vomiting, diarrhea, and gastrointestinal irritation.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Excessive inhalation of vapors may cause headache and nausea. Material is slightly alkaline and may irritate eyes and skin.

CHRONIC: None recognized.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None recognized.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Clean eyes with plenty of water.

SKIN CONTACT: Clean with soap and water.

INHALATION: Move affected person to fresh air. Apply artificial respiration if necessary. Seek medical attention immediately.

INGESTION: Drink water to dilute. Do not induce vomiting. Call a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean spills immediately with absorbant such as clay or diatomaceous silica.

WASTE DISPOSAL METHOD

Dispose of all waste in accordance with federal, state, and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed when not in use. Do not store or handle near heat, flames, and strong oxidants. Store in a cool, well ventilated area.

OTHER PRECAUTIONS

Rotate stock, use older materials first. Inspect for leaks on all containers.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Use NIOSH or OSHA approved respirator if TLV is exceeded.

VENTILATION

Provide sufficient ventilation to maintain exposure level below TLV/PEL.

PROTECTIVE GLOVES

Use impervious rubber gloves.

EYE PROTECTION

Use face shield or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use eye wash and safety shower. Use impervious clothing or change contaminated clothing immediately.

WORK/HYGIENIC PRACTICES

Wash hands, face, and hair with regular soaps. Clean clothes by normal laundering methods.

SECTION IX - DISCLAIMER

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness.

Bulls Eye Zero™

INTERIOR and EXTERIOR
Primer-Sealer Stain Blocker

Performance Characteristics

- For interior & exterior use
- Sticks to all surfaces
- Seals common stains
- Low odor
- Mildew resistant film
- Guaranteed under any topcoat
- Dries in 1 hour

Description:

BULLS EYE ZERO™ is a high performance, eco-friendly water-base primer for interior and exterior applications. The clean air formula utilizing unique high performance polymers provides a fast drying, low odor primer/sealer with excellent adhesion, enamel holdout and stain blocking properties. **Bulls Eye Zero** delivers all of the performance with none of the odors or solvents that contribute to poor air quality.

Great for residential, institutional or commercial use in schools, hospitals, hotels, nursing homes, restaurants, etc.

Recommended Uses:

PRIMING: Use on interior and exterior new or previously painted drywall, wood (pine, fir, cedar, redwood, plywood, T1-11), cured plaster, masonry (stucco, cement, poured concrete, concrete block), hardboard, vinyl, PVC, fiberglass, tile, metal (aluminum, steel, clean galvanized metal). Adheres to tough surfaces such as chalky exterior siding and trim, high gloss enamels, old varnish, tile, clean galvanized metal and hardboard.

SEALING: Seals unpainted porous surfaces, extending the coverage of the topcoat. The ideal under-coater for oil or latex enamels, provides the high holdout and crisp sanding necessary to prevent variations in topcoat gloss.

STAIN BLOCKING: Locks in stains such as residual nail head rust, asphalt, creosote, tannin bleed from cedar or redwood, lipstick, crayon, oil, grease, handprints, most ball point and felt tipped pen marks. Note: when priming over bare cedar or redwood, allow 24 hours dry time before painting. Persistent stains may require a second coat.

Surface Preparation - Surfaces must be clean, dry, sound and free of any contamination, mildew, rust or unsound coatings that may interfere with adhesion. Remove unsound coatings. Always wash surface with appropriate cleaner or solvent (do not use TSP). Rinse, and allow to thoroughly dry prior to application of primer. Spot prime knots and sap streaks with **Zinsser B-I-N® Primer-Sealer**.



Product No.

249021

249020

Houses painted before 1978 may contain lead. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application - Shake or stir well and apply with a brush, roller, airless or conventional sprayer (following spray equipment manufacturer's instructions; for airless spraying use a .017" tip at 2000 - 2500 P.S.I.). **Bulls Eye Zero** Primer is formulated to be used without thinning. If thinning is necessary, use no more than one cup of clean tap water per gallon. Excessive thinning will hinder stain blocking properties. Apply between 50°F and 85° F (10°C and 29°C), RH <85%.

Tinting - Can be tinted with universal colorants up to 2 oz. (59 ml) per gallon. Tinting primer helps topcoat hide in one coat.

Coverage - Approximately 400 sq. ft. (37 m²) per gallon depending on application method and surface porosity.

Dry time: At normal temperatures, 70°F (21°C), touch dry in 30-45 minutes and can be sanded or recoated in one hour. Full adhesion and hardness develop in 2 days.

Cleanup - Clean up promptly with warm water and liquid detergent. Wipe up splatters before they dry. Follow equipment manufacturer's directions to clean spray equipment.

Disposal - Dispose of unused or unwanted product in accordance with local laws regulating water-base coatings.

Limitations - Not recommended for application to floors or decks or to surfaces subject to immersion or prolonged contact with water.

Limited Warranty - This product will perform as claimed if applied according to our directions. The directions apply to most applications, but may not cover special conditions, applications, techniques and/or surfaces. If you have a question, check with your dealer or contact Rust-Oleum Corporation, Vernon Hills, IL. Warranty is limited to replacement or refunded value of product actually used if such product proves defective within two years of manufacture.

CAUTION! Do not get in eyes. In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Do not take internally. If swallowed call a physician or Poison Control Center. Do not breathe vapors or spray mist. Ensure good cross ventilation during application and drying. If you experience difficulty in breathing, eye watering, headache, or dizziness, increase fresh air. Avoid contact with skin and clothing. Wash thoroughly after handling. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN.

Storage: To prevent product from skinning over close container after each use. Keep lid tightly closed during storage. **Protect from freezing.**

Typical Physical Properties

Percent Solids, Weight	49.94%
Percent Solids, Volume	34.43%
Weight (lb./gallon)	10.69
Dry Time @70° F (21° C)	Touch: 30 minutes Recoat: 1 hour
Stain Sealing @ 75° F/50% RH	24 hrs over cedar
Flashpoint (Setaflash)	>200° F
VOC	0 g/L
LEED	Meets 4.2 Requirements
Perm Rating	5.7
Freeze/Thaw Stable:	No
Shelf Life	60 mos. @ 75° F (24° C)
Storage/Handling	Store indoors 40° - 80° F (4° - 26° C)
Temperature Application Range	50° - 85° F (10° - 29° C)
PROTECT FROM FREEZING	

Packaging

Unit Size	Unit Code	Case Pack	Case Weight	Pallet Pack
5 gallon	249021	1	61 lbs.	36 ea.
1 gallon	249020	2	24.7 lbs.	90 cs.



The Rust-Oleum EARTHWISE™ designation indicates this product meets or exceeds strictest industry standards for VOC compliance and delivers premium performance.

Rust-Oleum Corporation, 173 Belmont Drive Somerset, NJ 08875 (732) 469-8100
www.zinsser.com

Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rust-Oleum Corporation to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rust-Oleum quality control and assume no responsibility for coverage, performance, or injuries from use. Visit Zinsser.com for our most up-to-date technical data bulletins.