



Technical Data Sheet Zero VOC Interior Latex Primer

Product Function

Latex primer-sealer specially formulated for interior surfaces: new gypsum board, new dry plaster, plaster repairs and masonry. Conventional water based paints contain Volatile Organic Compounds (VOCs) that contribute to air pollution. Our Zero VOC Primer uses an effective 0 VOC technology which ensures an outstanding product and fewer negative environmental impacts.

Surfaces

Interior.

New work: New surfaces in good condition.

New gypsum boards, new dry plaster, masonry, concrete blocks or brick.

Limitations:

Do not use for exterior work and do not use on floors.

Do not mix with oil products or thinners.

Do not apply directly over steel and iron.

Zinc sulphate solution must never be used on plaster prior to the application of this primer-sealer.

Advantages

- Easy to apply. High viscosity. Very low odour.
- Super hiding and dries rapidly. Easy to sand.
- Super sealing: Seals effectively and ensures a better appearance to the finishing coats.
- May be overcoated with any alkyd or latex paint.
- Not affected by the alkalinity of fresh plaster and concrete.
- Will not raise the fibres of gypsum board.
- Ecological product not containing neither lead nor mercury and conforms to the Canadian regulation on the emission of the Volatiles Organic compounds in the architectural or industrial coatings of maintenance.
- Meets Green Seal™ Environmental Standard for Paints and Coatings.

Storage

Store in a cool, dry, and ventilated area. Keep temperature between 4°C and 30°C. Keep containers closed when not in use. **Avoid freezing.**

Product Shelf Life: 5 years under the ideal conditions

Application Instructions

Temperature (°C) 21°C to 30°C (70° to 85°F).

Relative Humidity (%) Ideal: 50%. Maximum: 85%.

Drying Time (@ 25°C; 50% relative humidity)

To Touch 1 hour

Tack free 3 to 4 hours

To recoat 4 to 6 hours

Full 30 days

Drying time may be longer by cold and humid temperature. The surface must be dry, clean and free from dust, wax, soap, old

Technical Product Information

Gloss * 60° 0 to 5%

Sheen * 85° Not available

Appearance: Flat

Spreading Rate * (m²/L) Approx. 37 to 48 sq. m per 3.78 litres (400 to 500 pi²).

Note: Excluding losses caused by variations in application methods, surface porosity, or stirring methods.

Film thickness In accordance to the spreading rate of 500 pi².

Wet: 3.3 mils

Dry: 1.5 mils

Solid Volume * (%) 42,77

Solid Weight * (%) 62,45

Viscosity * (U.K.) 93 ± 3

Density * (g/ml) 1,53

Flammability: Non-flammable

VOC * (g/L) <1 VOC** **Tinting of this product**

can add Volatile Organic

Compounds.

** Not detectable (Standard Test Method for Speciation of the Volatile Organic Compounds (VOCs) in Low VOC Content Waterborne Air-Dry Coatings by Gas Chromatography)

Composition – Thinner: Water

Composition – Binder: Vinyl acrylic latex (binder), titanium dioxide, inert extenders (pigments), water (volatile Flatter), surfactant.

Application Tools

Brush Nylon or Polyester.

Roller 10 mm – 13 mm

Spray gun – Pressure (psi)

– **Nozzle** .017 - .019

Other

Tool Cleaning: Warm soapy water immediately after use.

Safety Measures

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Wear safety glasses. Keep containers closed when not in use. Provide adequate ventilation during application and drying.

IMPORTANT: Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Spraying of any material can be hazardous without adequate protection. Wear respirator, eye protection and protective clothing. Consult Material Safety Data Sheet.

FIRST AID TREATMENT: If swallowed, Call a physician or poison control centre immediately. If in eyes or on skin, rinse well with clear water.

Surface preparation is a crucial operation. Most problems blamed on the coating itself are actually caused by poor surface preparation.

- **Surface Cleaning:** Clean the surface with the cleaner best suited for removing the contaminant on the surface.
- A surface that has been previously coated with an old finishing product must be cleaned with T.S.P. before applying a new product. Rinse well with clear water.

- **Mildew: Wash with a household bleach solution** (1 part household bleach : 3 parts water).

- **Grease & oil:** Wash well with a concentrated solution of trisodium phosphate (T.S.P.)
Rinse well with clear water.

- **Chalky paints:** Scrub vigorously with a concentrated solution of trisodium phosphate (T.S.P.) Rinse well with clear water.

- **Sanding.** removes imperfections on walls, ceilings, furniture, floors, etc. It also roughens surfaces that are too glossy.

- Sand the surface with sandpaper (80 to 120 grit) along the grain to avoid ripping the wood fibres.

- **Masonry:** Scratch or brush mortar spatters, loose particles and salt deposits. Vacuum the residual sanding dust

- **Repairing. Repair products are used to fix damaged surfaces.** It is important to select the best filling compound for the job. - Fill holes and cracks with a compound with stopping. Do not use oil putty.

- **Knots Sealing. Prevents knots and sap veins bleeding on several softwoods.**

- **Primer Application:** Primers are coatings used to hide formerly applied colours, provide an even surface, and increase adhesion of paint.

Recommended Base Coats

No primer required on:
Painted surfaces in good condition.

Gypsum board, dry new plaster, concrete:
Latex primer sealer and undercoater Zero VOC Primer by Homestead House

Application Directions

- Cover or masks off surfaces you don't want to paint and make sure drop cloths are carefully placed.

- Sand rough spots with a fine sandpaper (120 to 220 - grit) and vacuum up dust.

- Slowly stir the paint to avoid the forming of bubbles, which could remain on the surface after drying. **Do not dilute.**

- Pour the quantity of paint needed into another container to avoid contaminating the original paint can. Cover the paint can to preserve the paint properties.

- Apply paint generously, leaving no skipped spots or no bade or excessively coated areas.

-Clean tools immediately after use.

- Let surfaces dry completely.

Surface Maintenance

To assure maximum washability and durability, wait at least 30 days before washing the dry paint film. When removing stains, dirt and marks, use a soft cloth or sponge with water and a solution of trisodium phosphate. Rinse with wet rag and dry with clean and dry rag. Do not use abrasive cleaner or scrub brush to remove stains.

Waste Disposal

Paint Disposal: Contact your municipality for proper leftover paint disposal procedure. Recycle if a can recycling program is available in your community.

Material Safety Data Sheet for Zero VOC Dead Flat Designer Line Homestead House

SECTION 1 - PRODUCT IDENTIFICATION & COMPANY INFORMATION

Product Name Zero VOC Dead Flat Designer Line

Product Use Architectural water based coating
Container Size and Units 946ml, 3.78L
Chemical Family Latex Paint

Company identification
Homestead House Paint Co. Inc.
95 Niagara Street
Toronto, ON M5V 1C3 CANADA
Contact Telephone 416-504-9984
Fax number 416-504-9984

SECTION 2 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS # Concentration (w/w)

Titanium Dioxide (pig white 6) 13463-67-7 10-30%
Natural Ground Diatomaceous Silica (pw27) 61790-53-2
5-10%
Treated Hydreated Silica (amorphous fumed) 7631-86-9
1-5%

SECTION 3 - HAZARDS IDENTIFICATION

EYE CONTACT

The material is slightly irritating.
The effects are usually reversible.

SKIN CONTACT

The material is slightly irritating.

INHALATION HAZARDS

Slightly irritating for the nose and throat.

INGESTION HAZARDS

Do not swallow.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT

Wash the skin thoroughly with plenty of lukewarm water using a mild and non-abrasive soap.

INHALATION

Remove the victim to fresh air.

INGESTION

Do not induce vomiting unless directed to do so by medical personnel. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: Not applicable
Lower flammable limit (%): Not applicable
Upper flammable limit (%): Not applicable
Auto ignition point: Not applicable

FLAMMABLE PROPERTIES

Nonflammable product.
Closed containers of this material may build up pressure if exposed to intense heat and may explode.

HAZARDOUS COMBUSTION PRODUCTS

Carbon monoxide
Carbon dioxide
Other unidentified compounds.

EXTINGUISHING MEDIA

Water
Carbon dioxide (CO₂)
Dry chemical

FIRE FIGHTING INSTRUCTIONS

Wear a self-sufficient breathing apparatus.
Wear protective clothes.
Evacuate all persons from the fire area to a safe location.
If fire is small, uses an extinguisher and ensures you an exit. If fire grows bigger quickly, leave immediately.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CONTAINMENT

Prevent this product or the wash waters from entering the water system or sewers.

CLEAN-UP

Ventilate the area.
Absorb the spill by using an inert material (sand, earth, vermiculite).
Transfer the absorbed material into a waste container.

REPORTING

For Canadian, report to the applicable Provincial Environment Ministry.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS # Authority Type Dose

13463-67-7 ACGIH TLV 10 mg/M³
OSHA PEL 15 mg/M³
61790-53-2 ACGIH TLV 10 mg/M³
OSHA PEL 6 mg/M³
7631-86-9 ACGIH TLV 10 mg/M³
OSHA PEL 6 mg/M³

ENGINEERING CONTROLS

Keep away from food, drinks and tobacco.

RESPIRATORS

Use a dust particle mask when sanding.
Avoid breathing vapors or spray mist.

OTHER CLOTHING

DO NOT WEAR contact lenses when working with paints and paint related materials.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid.

Color: Colored or white.

Odor: Characteristic.

Odor threshold (ppm): Not available

Partition coef. oil/ water: Not available

pH: Not available

Freezing Point: $-10^{\circ}\text{C} < X < -5^{\circ}\text{C}$

Boiling temperature: Initial 100°C

Vapor pressure at 20°C : 0 mm Hg < vapour pressure < 50 mm Hg

Volatiles by weight (%): 47.07

Volatiles by Volume (%): 62.5

Specific gravity (kg/L): 1.33

Coating VOC (g/L): Not detectable

SECTION 10 - STABILITY AND REACTIVITY CONDITIONS TO AVOID

High heat

SENSIBILITY TO STATIC DISCHARGE

No

SENSITIVITY TO MECANICAL SHOCK

No

HAZARDOUS DECOMPOSITION PRODUCTS

Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

CAS # Exposure Route Species Dose

13463-67-7 LD50 Oral Rat, adult 24000 mg/kg

LD50 Skin Rabbit, adult 10000 mg/kg

7631-86-9 LD50 Oral Rat, adult 3160 mg/kg

LD50 Skin Rabbit, adult 2000 mg/kg

CARCINOGENICS EFFECTS

The titanium dioxide CAS # 13463-67-7 is possible human carcinogen (groupe 2B) according to the IARC.

MUTAGENIC EFFECTS

No recorded data was found.

TERATOGENIC EFFECTS

No recorded data was found.

DEVELOPMENTAL EFFECTS

No recorded data was found.

CHRONIC EFFECTS

No recorded data was found.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable Federal, Provincial, state and municipal regulations.

SECTION 14 - TRANSPORT INFORMATION

TDG UN Number NR

TDG Class NR

TDG Packing group NR

Shipping name NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

HMIS Health Code 1 - Slight Hazard

HMIS Fire Code 1 - Slight Hazard

HMIS Reactivity Code 0 - Minimal Hazard

HMIS Personal Protection B: safety glasses and gloves.

WHMIS CLASS

D2A - Very toxic materials causing other toxic effects

WHMIS FORMAT

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product

Regulations except for the use of 16 headings instead of 9.

SECTION 16 - OTHER INFORMATION

The manufacturer hereby declares that the information disclosed herein have been based on our raw material suppliers' data, information and notification. Such raw materials are being used as components in the manufacturing of the product. The manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought and use with regard to the product. Materials used may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. The product must be handled with care and it is recommended to use all the required measures in order to ensure the protection and safety of any person using or handling the product. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.