

# PERM-A-BARRIER® Surface Conditioner

Water-based primer for use with PERM-A-BARRIER® Aluminum Flashings and Wall Membrane

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## Product Description

PERM-A-BARRIER® Surface Conditioner is a water-based primer which imparts an aggressive, high tack finish on the treated substrate. It is specifically designed to facilitate tenacious adhesion of PERM-A-BARRIER® Flashings, PERM-A-BARRIER® Detail Membrane and PERM-A-BARRIER® Wall Membrane to various substrate including glass-mat faced gypsum sheathing. Refer to Technical Letter 2, Substrate Preparation for Application of PERM-A-BARRIER® Products to Glass-Mat Faced Gypsum Sheathing for priming requirements on specific glass-mat faced sheathing products.

## Product Advantages

- Excellent adhesion—bonds to substrate and binds dust
- Aggressive tack—provides a tenacious bond to difficult substrates such as DensGlass Gold and other glass faced wall boards
- Fast drying—increased flexibility for application schedule
- Fast and easy application—by brush or roller
- VOC compliant—water-based, contains no hazardous or flammable solvents
- Low odor—no noxious fumes

## Use

PERM-A-BARRIER® Surface Conditioner can be used at -4 °C or above. It will freeze at -7 °C and can no longer be used after it freezes.

## Availability

PERM-A-BARRIER® Surface Conditioner is available in 19.8L plastic pail.

## Installation

### Safety, Storage and Handling Information

PERM-A-BARRIER® Surface Conditioner is nonflammable. SDS (Safety Data Sheet) are available at [gcpat.com](http://gcpat.com) and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the SDS before use.

Store above freezing 0 °C.

The VOC (Volatile Organic Compound) content is 10 g/L and it meets the U.S. EPA Volatile Organic Compound Emission Standard for Architectural Coatings.

Architectural and industrial maintenance regulations limit the VOC content in products classified as architectural coatings. Refer to Technical Letters at [gcpat.com](http://gcpat.com) for the most current list of allowable limits.

## Application

- Apply primer in dry weather with ambient and substrate temperatures above -4°C.
- Can be applied by spray or roller. For best results, use a pump-type air sprayer with a fan tip nozzle.
- Apply uniformly. Do not overapply to the point of puddling or running.
- Do not apply directly after application to PERM-A-BARRIER<sup>®</sup> membranes. Allow to dry until the substrate returns to its original dry colour. Drying time may exceed one hour in low temperatures or high humidity.
- Product dries clear and may remain slightly tacky.
- Substrates should generally be conditioned only for what can be covered within 24 hours.
- Clean tools with water before the product dries.

## Surface Preparation

All surfaces must be free from frost, dirt, grease, oil or other contaminants. Failure to remove excessive dust may result in compromised adhesion of the membrane.

In cooler or humid conditions, priming may be done in advance. If primed surface is exposed for more than 7 days, or if significant dust or dirt accumulates on the surface, re-prime with a thin coat of PERM-A-BARRIER<sup>®</sup> Surface Conditioner.

## Roller Technique

Synthetic, 13 mm, nap rollers have been found to be very successful for the application of PERM-A-BARRIER<sup>®</sup> Surface Conditioner. A moderately thick coating should be applied and rolled out evenly (see coverage below). A properly applied coating will have uniform coverage and leave a tacky finish to the surface when dry.

## Coverage

Apply to a clean, dry, frost-free surfaces at a coverage rate of 300 ft<sup>2</sup>/gal (7.4 m<sup>2</sup>/L).

## Drying Time

To be effective, the PERM-A-BARRIER<sup>®</sup> Surface Conditioner needs to fully dry. Drying time of the material is dependent upon many factors including temperature, humidity, wind, sunlight and coverage rate. The drying time could vary from as little as 15 min. (warm and windy) to 3 hours (cold and no wind), depending upon the weather condition. The following are guidelines for dry time at various temperatures:

- 32 °C or greater: 45 min.–1 hr
- 10 °C to 32 °C: 1–3 hrs
- Less than 10 °C: 3 hrs +

The product is packaged “ready to use.” Do not use any substance to thin this product.

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