

Optimal Prime

Primer and Vapor Barrier
TECHNICAL DATA SHEET



Description

Optimal Prime is designed to prepare and waterproof porous concrete, pavers, and other absorbent substrates for RainguardPro high performance film forming coatings, sealers, and paints. This primer and vapor barrier promotes adhesion to prevent delaminating, cracking, or peeling. It can be easily applied as an additional step in any top-coat system. Optimal Prime is highly recommended for long term system adhesion in high end applications and will enhance durability while creating a vapor barrier for problems with existing moisture and vapor transmission.

Recommended Uses

- Food and Beverage Facilities
- USDA Inspected Facilities*
- Commercial Vehicles
- Airports
- Stadiums
- Sound Walls
- Direct-To-Metal
- Warehouse Floors
- Garage Floors
- Tile Floors and Walls (Glazed and Unglazed)

* Suitable for USDA inspected facilities

Features & Benefits

- Total water-based formulation
- A <20 V.O.C. g/L coating
- Excellent adhesion

Color & Finish

Color	Finish
Clear	Natural

Test Panel

Always apply Optimal Prime Primer and Vapor Barrier onto a mock wall or test panel. Test the wall or an actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

Coverage Rate by Substrate (theoretical)

The coverage depends on the surface. Test the product on a small area of the substrate to estimate coverage. Extremely porous surfaces may require multiple coats.

Substrate	Sq Ft/ Gallon
Smooth Concrete	200 - 225
Troweled Concrete	175 - 200
Polished Concrete	300 - 350

The use of fluted, scored block, raked joints, sandblasted or etched surfaces will result in greater absorption and lower coverage rates, by up to 40%. Test these areas for the expected coverage rate before general application. Allow for this increased surface area when determining material requirements.

Application Instructions

Do not skip surface preparation outlined on the previous page.

1. Use a low pressure sprayer, airless sprayer, brush or roller to apply the primer until rejection. This product should not be applied as a flood coat.
2. The substrate should be thoroughly saturated, any dripping on vertical surfaces or puddling should be evenly dispersed to ensure minimal build.
3. Allow to dry for 1-2 hours depending on the weather, humidity, and temperature. Before recoating, Optimal Prime may be tacky to the touch but should not have any transfer of material if touched.
4. Apply high performance coatings or paints after Optimal Prime has fully dried.

PLEASE NOTE:

If applying non-water-based paint or coatings, please contact your local RainguardPro representative or call (888)765-7070 to ensure compatibility of top-coats.

Horizontal Surfaces

For horizontal applications, it is the responsibility of the contractor to use RainguardPro Slip Resist or appropriate non-slip additive in the top-coat (depending on the project conditions).



Safe Handling

Use product only with adequate ventilation and/or an appropriate cartridge type respirator. Avoid contact with skin and wear protective gloves. Read the Safety Data Sheet before using.

Precautions

Horizontal surfaces coated with the product may become slippery when wet.

Use material in a well-ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths. Protect automobiles and all other areas not to be coated from overspray. Remove overspray from any windows, automobiles, metal, etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner.

All surfaces to be coated should be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. All cracks should be pointed or caulked. All voids, beeholes, masonry surface defects and openings such as

conduits, pipes, drains, door frames, vents, air conditioner openings, electrical openings, control joints, or any dissimilar materials should be repaired using urethane or other approved patching.

Do not apply to surfaces if moisture content is greater than 25% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application. Allow adequate time for surfaces to thaw. Establish that air, surface, and material temperatures are above 40°F (4.4°C) and at least 5°F above the dew point prior to painting. Do not apply at temperatures below 40°F when temperatures are expected to drop below 40°F within 48 hours of application. Do not apply if rain, snow, or lower temperatures are expected within 48 hours. Do not apply if relative humidity is greater than 80%.

Store materials in a well-protected area at 45°- 90°F. Avoid freezing temperatures, direct sunlight, and moisture. Keep away from heat sources.

Clean up promptly with mild soap and water before the product cures. Dispose of according to local, state and federal regulations.

Warranties

Rainguard Brands, LLC guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Rainguard Brands, LLC makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact Rainguard Brands, LLC.

Surface conditions and application variables are out of the control of Rainguard Brands, LLC. As such, the applicator agrees to: Follow recommended application instructions, acknowledge limitations outlined in this technical data sheet, contact the manufacturer in the event there are any uncertainties, perform a test panel to confirm fit and finish before any general application. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Rainguard Brands assumes no obligation or liability for use of this information. Contact manufacturer at 888-765-7070 before bidding to confirm warranty provisions and procedures.

SELLER'S LIABILITY UNDER THE SALE OF THIS PRODUCT IS LIMITED TO REPLACING DEFECTIVE PRODUCT. HOWEVER, IF SELLERS FAILS IN ITS ATTEMPT TO REPLACE THE DEFECTIVE PRODUCT, BUYER WILL BE ENTITLED TO A REFUND OF MONIES PAID TO SELLER UNDER THIS PRODUCT WARRANTY. SELLER IS NOT LIABLE FOR BUYER'S LOSS OF PROFITS, BUSINESS GOODWILL, OR OTHER CONSEQUENTIAL DAMAGES, DESPITE ANY FAILURE TO REPLACE THE PRODUCT. BUYER HAS ACCEPTED THIS RESTRICTION ON ITS RIGHT TO RECOVER CONSEQUENTIAL DAMAGES AS PART OF ITS BARGAIN WITH SELLER. BUYER REALIZES AND ACKNOWLEDGES THAT THE PRICE OF THE PRODUCT WOULD BE HIGHER IF SELLER WERE REQUIRED TO BE RESPONSIBLE FOR BUYER'S CONSEQUENTIAL DAMAGES."

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