



SP PRIMER 1700

Technical Data Sheet

For Professional Use Only

Primer for PVC and Aged TPO

Recommended Uses

ProRoof SP Primer is designed as a primer for various single ply membranes including PVC, Hypalon and aged TPO.

Description

- A high quality, plasticizer free, single component, water-based, acrylic primer for spray, brush or roller application
- Designed to provide both excellent adhesion as well as plasticizer migration resistance
- Formulated to block plasticizer migration from PVC membranes that can cause unsightly discoloration and premature failure of elastomeric coating systems.
- Has excellent adhesion to most single ply surfaces including PVC, Hypalon and aged TPO
- Provides excellent surface for subsequent application of acrylic and 100% solids silicone coatings
- Available in a low surface tack, Ivory version and black version for SPF applications
- Has the unique ability to “breath”, providing a completely watertight membrane while allowing trapped moisture to escape

Colors

Standard Colors: CLEAR, IVORY, BLACK

Packing/Shipping Information

CONTAINER SIZES:

55 Gallon Drum (208.2 liters)

Typical Properties

Property	Test Method	Results
Volume Solids	ASTM D-1653	45% +/- 2%
Weight Solids	ASTM D-1644	50% +/- 0.2
VOC	EPA Method 24	< 50G per Liter
Viscosity		300 +/- 100 cP
Density		8.8 lbs per Gallon
Flashpoint		None
Storage Stability		Unopened container stored between 40* F to 90* F
Shelf Life		12 Months (unopened)
Clean Up		Water

Surface Preparation

General: Surfaces to be coated should be dry, free of dust, dirt, oil, peeling coating and other foreign matter. All wet insulation or foam should be removed and replaced with like materials. For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the roof system. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

Applications

This product may be brushed, rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet. If sprayed, material should be at least 75*F. Before

applying additional coat, the previous coat must be completely dry and cured. If any contamination is present on the cured surface it must be washed and completely dry before application of subsequent coats.

Environmental Conditions: This product cures by water evaporation only. Product must NOT be applied when the ambient temperature is below 50 F or if there is any possibility it could fall below 32 F within 24 hours of application. Application is NOT recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

Limitations: Surface must be clean and dry. Application is NOT recommended on roofs with slopes less than 1/8" 12 or where ponded water is present. Do NOT apply over wet substrates or when inclement weather is imminent. Complete cure of ProRoof SP Primer requires complete evaporation of water. Cool temperatures and high humidity retard cure. Do not leave product exposed to elements for more than 48 hours to prevent weathering and dirt pick up that will compromise adhesive performance properties.

Ponded Water: Proguard warranties do NOT cover damage due to ponding water. The National Roofing Contractors Association considers ponding water on any roof unacceptable.

Applications Properties:

Yield (1gal to 100 sq ft)	7.5 Dry Mils
Dry Time (75* F 50% humidity)	45 Minutes
Recoat Window	> 6 Hours
Complete Cure Time	30 Days

Coverage Rate:

Apply ProRoof SP Primer 1700 on Aged TPO at the rate of 1/2 gallon per 100 square feet (8 wet mils).

Apply ProRoof SP Primer 1700 on PVC at the rate of 1 gallon per 100 square feet (16 wet mils)

Surface texture and wind will affect applied mil thickness. Equipment: Minimum requirements

Equipment:

Brush:

- Synthetic filament

Roller:

- 1 ¼ nap roller

Spray:

- 30:1 fluid to air ratio capable pump
- 2 ½ gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose lining should be compatible with coating and required cleanout materials
- Hose rated to 2x maximum pump pressure
- Hose lengths: (largest diameter at pump)
 - ¾ minimum 6 ft wip
 - ¾ minimum I.D. up to 75 feet
 - ½ minimum I.D. up to 200 feet
- ¾ minimum I.D. over 200 feet
- Spray gun: Graco Hyrdra Mastic or Equivalent
- Spray Tip:
 - Reversible self-cleaning
 - Orifice size of .027 to .039
 - Fan angle of 40 to 50* deg

Always use components rated for pump pressures.

Safe Practices

The product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include, but not limited to, SDS and product labels. More resources are available at proguardbuilding.com or by contacting Proguard Building directly.

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