

PG 1100 THERMO BLACK PRIMER



GENERAL PURPOSE BLACK PRIMER • FOR PROFESSIONAL USE ONLY

PRODUCT DESCRIPTION

PG 1100 primer is a single component bonding primer. PG 1100 is a water based acrylic primer that is designed to promote top coat adhesion to SPF foam as well as increasing substrate surface temperatures prior to the application of SPF foam. PG 1100 aids in the evaporation of dew and water vapors from the surface at a rate better than light colored primers. Being black, it increases solar radiation absorbed, which can also increase SPF yields. PG 1100 can also be used on BUR, modified bitumen, concrete, galvanized metal and wood.

PERFORMANCE CHARACTERISTICS

Use PG 1100 Thermo Black Primer as a bonding primer on properly prepared roof decks to tie-down residual dirt, dust and other small particle foreign debris to the substrate before SPF installations. Also use to prime “scarified” foam prior to new SPF applications. PG 1100 will improve yield in SPF foam. Recommended spreading rate is approximately 100 sq. ft. per gallon, depending on substrate and surface profile. May also be used on aged asphalt, metal or concrete.

COLORS

Jet Black or Light Gray
Satin Gloss

PACKAGING/SHIPPING INFORMATION

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum (208.2 liters)	Class 55
5 Gallon pail (18.9 liters)	Class 55

SURFACE PREPARATION

Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating and other foreign matter. For optimal results power wash all surfaces with a minimum 2000 psi using a wide fan tip. All necessary precautions should be 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.

APPLICATION

This product may be brushed, rolled or sprayed on a clean, dry surface. For details see Equipment Recommendations at the end of this sheet.

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	RESULT
Volume solids	ASTM D-2697	38% ± 2%
Weight Solids	ASTM D-1644	45 ± 2%
Density	ASTM D-1475	9.4 lbs. gal
VOC	EPA Method 24	<50g/ltr
Temperature Limit		0°F to 185°F
Clean Up		Water

APPLICATION PROPERTIES

Yield (1 gal to 100 to 300 sq ft)	2-3 dry mils
Dry Time (75° F)	<30 minutes
Recoat window	Within 48 hours
Complete Cure	24 hours

COVERAGE RATE:

Apply PG 1100 Thermo Black Primer at the rate of 1 gallon per 100 square feet, depending on the porosity of the substrate.

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.

PONDED WATER

- ProGuard Group warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

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LIMITATIONS

Surface must be clean and dry. Application is not recommend on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of ProCoat Thermo Black Primer requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier.

SAFE PRACTICES

This 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 are not limited to MSDS and product labels. More resources are available at polyurethane.org, sprayfoam.org, everestsystemsco.com or by contacting ProGuard Group directly.

EQUIPMENT

Minimum requirements:

Brush: Synthetic filament

Roller: 1/4" nap roller

Spray: Airless Spray Equipment capable of maintaining a minimum of 0.027" or greater orifice tips with 2,300 PSI at the tip. Filter screens should be 30 mesh or larger.

Contact your ProGuard Group representative for specific recommendations or pricing on airless equipment.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of the issuance and subject to change without prior notice. User must contact PROGUARD GROUP (PGG) to verify correctness before specifying or ordering. We guarantee our product to conform to the quality control standards established by PGG. We assume no responsibility for coverage, performance or injuries resulting from use. Liability if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CFS EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.