

# 1100 Thermo Black Primer

## General Purpose Black Primer

For Professional Use Only



### DESCRIPTION

- A high quality, plasticizer free, single component, water-based, 100% acrylic elastomeric jet black coating for spray brush or roller application.
- Designed with specialized polymers and wetting agents that maximize adhesion.
- Thermo Black Primer is available in jet black to provide rapid solar gain of substrates.
- Also Available in high build light gray version for wall applications.
- Has excellent adhesion to most surfaces including aged asphalt, SPF, primed metal, wood and concrete.
- Has the unique ability to "breathe", providing a completely watertight membrane while allowing trapped moisture to escape.

### RECOMMENDED USES

Thermo Black Primer is a general purpose primer that provides excellent adhesion. It will improve yield in polyurethane foam applications and improve system adhesion in aged asphalt, concrete, masonry, primed metal and wood. Thermo Black Primer used in spray foam applications will improve SPF yield. Contact Proguard Building for specific application information.

Property	Test Method	Result
Volume solids	ASTM D-2697	38% $\pm$ 2%
Weight Solids	ASTM D-1644	45 $\pm$ 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

### COLORS

Jet Black, Light Gray or 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 avoided 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. For best result blend contents of all containers using a power mixer at least ten minutes before application. Do not think this product. Substrates should be coated until they appear wet. Do not apply a subsequent coat until the previous coat is completely dry and cured. Any contamination of a thoroughly cured surface must be washed with a chemical cleaner before applying an additional coat. Coating must be extended beyond the substrate to create a self-terminating flashing. Consult Proguard for recommended dry film thickness

### Application Properties

Yield (1 gal to 100 sq ft)	10 dry mils
Dry Time (75° F 50% humidity)	4 hours
Recoat window	>6 hrs
Complete Cure	24 hours

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### COVERAGE RATE

Apply Thermo Black Primer at the rate of 1/2 gallon per 100 sq. ft. depending on the porosity of the substrate. (8 wet mils).

### 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 Building 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).

### LIMITATIONS

Surface must be clean and dry. Application is not recommended 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 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](http://polyurethane.org), [sprayfoam.org](http://sprayfoam.org), [proguardbuilding.com](http://proguardbuilding.com) or by contacting Proguard Building directly.

### EQUIPMENT

Minimum requirements:

#### Brush

- Synthetic filament

#### Roller

- 1 1/4" nap roller

#### Spray

- 30:1 fluid to air ratio capable pump
- 2 1/2 gallons or more per minute (continuous)
- Filter screen 30 mesh or larger
- Hose rated to 2x maximum pump pressure
- Hose lining should be compatible with coating and required cleanout materials
- Hose lengths: (Largest diameter at pump)
  - 3/8 minimum 6 ft wip
  - 3/8 minimum I.D. up to 75 feet
  - 1/2 minimum I.D. up to 200 feet
- 3/4 minimum I.D. over 200 feet
- Spray gun: Graco Hydra Mastic or equivalent
- Spray Tip:
  - Reversible self-cleaning type
  - Orifice size of .027 to .039
  - Fan angle of 40° to 50°

Always use components rated for pump pressures

To the best of our knowledge all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. Used must contact Proguard Building to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Proguard Building. 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 PROGUARD BUILDING EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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