2450 HT Elastomeric Top Coat

TECHNICAL DATA SHEET

High Tensile Acrylic Elastomeric Roof Coating

PROROOF
PROFESSIONAL ROOFING SOLUTIONS

For Professional Use Only

DESCRIPTION

- Highest performance, plasticizer free, single component, water-based, 100% acrylic elastomeric coating for spray brush or roller application.
- Industry leading tensile and elongation properties contribute to an extremely durable and long lasting membrane with exceptional resistance to weathering.
- Formulated utilizing special pigments and biocides to provide maximum UV resistance along with a polymer technology that sets the standard for roof coating resistance to discoloration from dirt accumulation.
- Has excellent adhesion to most surfaces including metal, most single-ply roofs, wood and concrete.
- Has the unique ability to "breath", providing a completely watertight membrane while allowing trapped moisture to escape.

RECOMMENDED USES

ProRoof 2450 HT Elastomeric Top Coat is designed as a protective membrane for most roofing surfaces including galvanized metal, concrete, PVC, Hypalon, EPDM, polyurethane foam and primed smooth and granulated asphaltic surfaces. Check with your Proguard representative for primer recommendations.

Property	Test Method	Result
Volume solids	**ASTM D-1653**	**55.0 ±2%**
Weight Solids	**ASTM D-1644**	**66.0 ±2%**
Tensile Strength	**ASTM D-2370**	**500 ±50 PSI**
Elongation	**ASTM D-2370**	**600 ±50%**
Permeability	**ASTM D-1653**	**14 ±3**
Tear Resistance	**ASTM D-624**	**133 ±3 PSI**
VOC	**EPA Method 24**	**< 50 g Liter**
Low temperature Flexibility ***(-15˚,1/2 in mandrel,1000hrs weathering)***		**Pass**
Hardness (Shore A)	**ASTM D-2240**	**50 - 55**
Reflectivity	**ASTM C-1549**	**87%**
Emittance	**ASTM C-1371**	**.90**
SRI	**Calculated**	**107**
Viscosity		**110 ± 10 KU**
Density		**11.1 lbs per gallon**
Flashpoint		**None**
Shelf Life (When stored between 40˚F and 70˚F (4˚C - 21˚C).		**24 months (Unopened)**
Clean Up		**Water**

- *Meets Requirements for ASTM D6083 Acrylic Elastomeric Roof Coating*
- *California Energy Commission Title 24 qualified*
- *Meets California SCAQMD requirements for VOCs*
- *Class A Fire Rated (Passed UL790/ASTM108 Fire testing)*

COLORS

Standard Colors: White, Gray and Tan
Custom Colors are available for an additional charge.

PACKAGING/SHIPPING INFORMATION

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

PROGUARD BUILDING • 2930 Supply Ave• Commerce, CA 90040

www.PROGUARDBUILDING.com • Phone 844-776-4273

2450 HT Elastomeric Top Coat

TECHNICAL DATA SHEET

High Tensile Acrylic Elastomeric Roof Coating

PROROOF
PROFESSIONAL ROOFING SOLUTIONS

SURFACE PREPARATION

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, 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.
Masonry: Allow fresh masonry to cure a minimum of 30 days, prime with Proguard GP.
Metal: Rusty metal must be cleaned with a wire brush and primed with Proguard DTM.
EPDM: Prime with Proguard 1200 primer/cleaner, ensure no primer residue remains.
PVC, Hypalon, aged TPO: Prime with Proguard SP.
Polyurethane foam: Apply directly (must be coated within 24 hours of installation).
Granulated Asphalt: Base coat with Proguard Bleed Block.
Smooth Asphalt: Base coat with Proguard Bleed Block.
Other: For other substrates refer to the Proguard Primer Recommendation table.

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. 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.

Application Properties

Yield (1 gal to 100 sq ft)	**8.8 dry mils**
Dry Time (75° F)	**90 mins @ 50% humidity**
Recoat window	**>6 hrs**
Complete Cure	**30 days**

COVERAGE RATE

Apply ProRoof HT at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils). Surface texture and wind will affect applied mil thickness.

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 ProRoof HT 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, proguardbuilding.com or by contacting Proguard Building directly.

EQUIPMENT

Minimum requirements:

Brush

- Synthetic filament

Roller

- 1¼" 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.

PROGUARD BUILDING • 2930 Supply Ave • Commerce, CA 90040
www.PROGUARDBUILDING.com • Phone 844-776-4273