



# EnergyCoat HT 600



**Energy Shield**  
Systems

## High Tensile Acrylic Elastomeric Roof Coating

### 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 Everprime GP.

Metal : Rusty metal must be cleaned with a wire brush and primed with Everprime Metal.

EPDM: Prime with Everprime EP primer/cleaner, ensure no primer residue remains.

PVC, Hypalon, aged TPO : Prime with Everprime SP.

Polyurethane foam: Apply directly (must be coated within 24 hours of installation).

Granulated Asphalt: Base coat with Evercoat Bleed Block.

Smooth Asphalt: Base coat with Evercoat Bleed Block.

Other: For other substrates refer to the Everest 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 recommended to be at least 75°F and 40°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 Evercoat 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

- Everest Systems 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 Evercoat 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](http://polyurethane.org), [sprayfoam.org](http://sprayfoam.org), [everestsystemsco.com](http://everestsystemsco.com) or by contacting Everest Systems 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.

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