



Ultra Shield 7X™

7 in 1 Roof Sealer

Product Description

ENCO® Ultra Shield 7X™ is an Ultra Premium fast drying roof and primer in one, formulated with advanced urethane, fibers and ceramic microspheres technology that exhibits high durability and exceptional adhesion. It is a fast-drying coating that withstands light rain in just 15 minutes from application. Since it is formulated with Bio Pruf™ technology, it provides mildew and algae resistant coat. ENCO® Ultra Shield 7X™ provides a monolithic waterproof and weather-resistant elastic membrane that strongly adheres to the substrate, does not crack or peel, and withstands total movement of concrete joints and hairline cracks. This membrane incorporates ceramic molecules that lower inside temperature of the structure, by reflecting sun rays and eliminating up to 90% of the heat received, thus saving energy.

Product Uses

Proven properties of adhesion exceeding standard ASTM C-794

Specifications, suitable for:

- Asphaltic Roofing Membranes
- Concrete
- Polyurethane Foam
- Aged Galvanized Metal
- Wood

Advantages

- Urethane Advanced Formula with Ceramic Microspheres
- Excellent dirt pick-up resistance
- Saves Energy
- Mildew and algae resistant coat
- Applies blue, dries white when exposed to UV rays

Packaging Sizes

Available in 5 gal pail.

Product Characteristics & Properties

| | |
|---------------------|--|
| Coverage | Approximately 200 Square feet per 5 gallon pail @ 20 Mills DFT <i>Depending on surface texture, porosity and application method</i> |
| Shelf Life | 24 Months unopened |
| Weight per Gallon | 11.3 ± 5% |
| Storage Temperature | 75-85°F |
| Disposal | Consult local and federal agencies for details |

| Liquid Requirements | ASTM Test Method | ASTM D-6083 Requirements | Result |
|------------------------------------|------------------|--------------------------|--------|
| Brookfield Viscosity @ 73.4°F, cps | D 2196 | 12,000 – 86,000 | 27,000 |
| Viscosity @ 80°F, KU | D 562 | 85 – 141 | 122 |
| Volume Solids, % | D 2697 | >50 | 54 |
| Weight Solids, % | D 1644 | >60 | 65 |



Product Characteristics & Properties

| Film Properties after 1,00 Hrs Accelerated Weathering | ASTM Test Method | ASTM D-6083 Requirements | Result |
|---|------------------|--------------------------|--------|
| Elongation @ 73°F, % | D 2370 | 100 min. | 164 |
| Low Temperature Flex, 1/2" mandrel, -15°F | D 522 | Pass | Pass |
| Appearance after 1,000 hrs. accelerated weathering | D 4798 | No Cracking or Checking | Pass |

Surface Preparation

1. Clean - Pressure wash roof with a mild detergent and rinse thoroughly. Remove all dirt, grease and loose particles such as gravel, previous coatings, etc., and kill and remove any mildew or fungus with a bleach solution.
2. Repair - Repair concrete cracks and holes using an elastomeric crack filler. Use Weco® W-011 Flex Seal SL™
3. Level - Correct indentations, uneven and damping areas using a self-leveling underlayment mortar. Use Weco® W-501 Level Tech™
4. Prime - The use of primer is always recommended for uncoated concrete. Use Enco® Hydro Primer™ to seal internal concrete cracks

Product Application

Apply a first coat using a roller, brush or airless sprayer. Apply only at temperatures above 50°F. Do not apply if roof surface temperature is above 95°F. If roof is too hot, spray with water to avoid sealer from drying up too quickly. Do not apply after 4 PM. Do not apply if rain is forecast within 24 - 48 hours. Allow at least 24 hours of drying time and apply a second coat in perpendicular direction. **DO NOT THIN OR DILUTE FROM FULL STRENGTH.**

IMPORTANT: Roofs must have proper drainage and no damping areas.

Caution

Contains acrylic resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. CONSULT A PHYSICIAN IMMEDIATELY. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN. Refer to the product's safety information on the Safety Data Sheet (SDS).

Limitation of Liability

Our liability regarding this product is limited to its replacement or its refund value should it not comply with our specifications and does not include any application costs.

Contacts

For additional information please contact Enco® Manufacturing Corp.