

PRODUCT APPLICATION GUIDE

1752 Elastomeric Underseal

Description:

Coat 'N' Cool's 1752 Elastomeric Underseal is an elastomeric, seamless, flexible coating, designed to stop leaks and create a waterproof membrane. **Coat 'N' Cool 1752 Elastomeric Underseal** has excellent bonding and resists cracking and peeling under the most difficult of roof conditions. **1752 Elastomeric Underseal** is an underseal and must be top coated with appropriate Coat 'N' Cool® products.

Advantages:

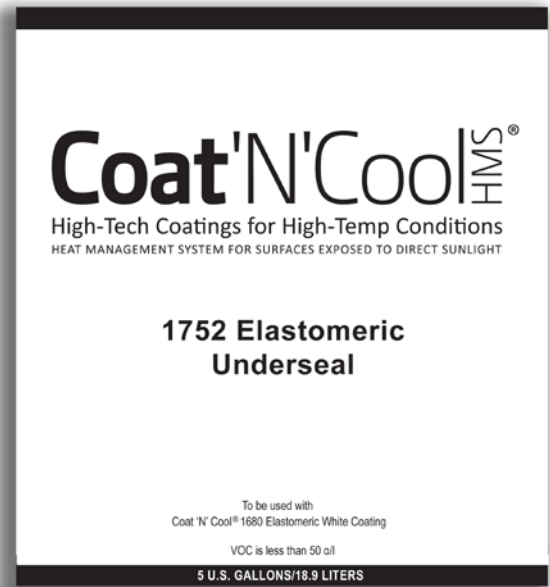
- Primes and Seals
- Resists ponding water
- Creates a water barrier
- Resists cracking
- Outstanding tensile strength
- Superior flexibility at extremely low temps
- 800% elongation with excellent recovery properties

Uses:

- Low Slope Built-up Roofs
- Single Ply Roofs
- Metal Roofs
- Modified Bitumen
- Polyurethane Foam
- Concrete Tile

Important Application Precautions:

- Apply on a clear, sunny day when temperatures are between 50° and 100°F.
- Do not apply when temperature is expected to drop below 50°F within 24 hours.
- Do not apply if rain is forecast within 24 hours of application.
- **Mildew:** DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, grey or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew.



- If you have an older roof in poor condition, lost roofing or shingles, tears and severe splits, you may need a new roof. A neglected roof may not offer the firm sub surface necessary to provide proper adhesion of a membrane type coating. If in doubt, consult a qualified roofer. Roof surface must have proper drainage, installation and slope to provide positive drainage.

Coverage:

Coverage depends upon roof condition and system to be applied. **1752 Elastomeric Underseal** requires a minimum dry film thickness of 14 mils. This mil thickness can be achieved by applying 2 gallons per 100 square feet. A badly deteriorated roof will require additional coats of **1752 Elastomeric Underseal** to provide a uniform sealed surface and seal any pinholes.

Surface Preparation:

Proper roof preparation is essential for successful coating application.

1. The roof surface must be dry, clean and free of all loose and oxidized material, dirt, oil and other contaminants.
2. All loose gravel should be removed by power blower and/or vacuuming. High pressure power

washing and/or mechanical scrubbers may be necessary to remove tightly adhering contaminants. Do not power wash if the roof has water leaks.

- Any unsound areas in the roof should be repaired or replaced. New asphalt should be exposed for 45 to 60 days before coating.
- Deteriorated or badly corroded metal should be replaced. Rusted areas should be mechanically abraded to remove all loose rust and then cleaned with a muriatic acid cleaning solution.
- New metal roofs exhibiting any type of surface film should be washed with a muriatic acid cleaning solution to remove film.
- Low areas that hold excessive ponding water must be brought into conformance by installing additional drains or adding additional slope to existing drains. Excessive ponding is any area that holds in excess of ½" of water as measured 24 hours after rainfall.
- Using **XP3 White Bond** patch all cracks, seams, flashings, skylights, vents, etc. For older roofs and/or roofs with cracking, alligatoring, failing systems and minor leaks use polyester roofing fabric to reinforce the roof system (See Application System for XP3 White Bond).
- Each application should be done in one complete step to form one seamless layer over the total area being covered. Apply with roller, squeegee, brush, or airless spray equipment. If applied by spray **1752 Elastomeric Underseal** must be back rolled. Do not thin.

Poly-Fabric Seams:

Using 1752 Elastomeric Underseal:

Use **1752 Elastomeric Underseal** to create a three-course patch to seal all joints, cracks, seams, around vents, over flashings, caps, pipes and skylights, etc. Cracks over 1/16 inch wide should be cleaned and caulked with **XP3 White Bond** before reinforcing (See Application Guide for XP3 White Bond).

- Brush a coat of **1752 Elastomeric Underseal** over joint or seam.
- Apply polyester fabric into still wet **1752 Elastomeric Underseal**. While still wet, apply another coat of **1752 Elastomeric Underseal** over the fabric completely embedding the fabric in the coating. Allow to dry.
- Apply an additional coat of **1752 Elastomeric Underseal** over all seamed areas. Allow to dry. Apply coating at a rate of 2 gallons per 100 square feet to cover and fill in rough surfaces and pinholes.

Using Coat 'N' Cool® XP3 White Bond:

Use **XP3 White Bond** to create a three-course patch to seal all joints, cracks, seams, around vents, over flashings, caps, pipes and skylights, etc. Cracks over 1/16 inch wide should be cleaned and caulked with **XP3 White Bond** before reinforcing (See Application Guide for XP3 White Bond).

- Brush a coat of **XP3 White Bond** over joint or seam.
- Apply polyester fabric into still wet **XP3 White Bond**. While still wet, apply another coat of **XP3 White Bond** over the fabric completely embedding the fabric in the coating. Allow to dry.

2. Poly-Fabric (Full Coverage) Application:

Apply a liberal coat of **1752 Elastomeric Underseal** at a rate of 2 gallons per 100 square feet. While still wet, embed a polyester fabric into the **1752 Elastomeric Underseal**. Apply a second coat of **1752 Elastomeric Underseal** at the same rate to saturate the fabric and allow to dry. It is recommended that another coat of **1752 Elastomeric Underseal** be applied at the same rate of 2 gallons per 100 square feet over the dried fabric system to smooth the rough surface.

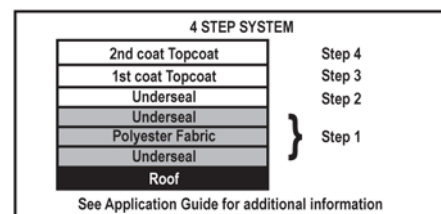
3. Topcoat Application:

Apply 2 coats of **1680 Elastomeric White Coating** at rate of 1 gallon per 100 square feet. Apply a third coat if desired. Fill all cracks and crevices.

Heavy duty Waterproofing System:

- Poly-Fabric Seam application (see instructions above).
- Apply primer coat of **1752 Elastomeric Underseal** at a rate of 1 gallon per 100 square feet. Allow to dry.
- Apply 1 coat of **1752 Elastomeric Underseal** at a rate of 2 gallons per 100 square feet. While still wet, embed a polyester fabric into the **1752 Elastomeric Underseal**. Apply a second coat of **1752 Elastomeric Underseal** at the same rate of 2 gallons per 100 square feet to saturate the fabric and allow to dry.
- Apply a third coat of **1752 Elastomeric Underseal** at the same rate of 2 gallons per 100 square feet and allow to dry.
- Apply 2 coats of **1680 Elastomeric White Coating** at rate of 1 gallon per 100 square feet.

GENERAL MAINTENANCE GUIDE FOR WATER PROOFING SYSTEMS



If products are sprayed, it is recommended that the first coat be back rolled. Always cross hatch second coat whenever possible. Always allow proper drying between coats (see dry time for each product). Each Application should be done in one complete step.

- a. Areas of standing or ponding water at a depth greater than of ½” after 24 hours must be addressed by a qualified roofer.
7. Apply 2-3 coats of **1680 Elastomeric White Coating** at a rate of 1 gallon per 100 square feet.

Metal Roof Application:

1. **See surface preparations above**
2. Prepare the metal roof by removing all loose material. Clean and etch.
3. Poly-Fabric Seam Application all seams. (see instructions above)
4. Apply 1 coat of **1752 Elastomeric Underseal** at a rate of 1 gallon per 100 square feet and allow to dry.
5. Apply 2 coats of **1680 Elastomeric White Coating** at a rate of 1 gallon per 100 square feet.

Finish:

Low angular sheen

Color:

1752 Tan

Thinning:

Do not dilute or Thin product.

Drying/Cure Time:

Initial cure time is 8 hours. Allow 8 hours minimum before applying additional coats. Cool and/or humid weather conditions will slow the drying time.

Urethane Foam Roofs:

1. **See surface preparations above**
2. Remove all old delaminated coating broom and blow clean.
3. **Do not open the roof system.**
4. Use Poly-Fabric Seam application using **1752 Elastomeric Underseal** to patch all blisters and sump areas until surface is smooth.
5. Coat with 2-3 coats of **1752 Elastomeric Underseal** until smooth.
6. In areas of standing water apply 2 coats of **1752 Elastomeric Underseal** with Poly-Fabric with 2 more coats of **1752 Elastomeric Underseal**.

Limitations:

1752 Elastomeric Underseal is not recommended for medium to heavy traffic areas. Not for use on EPDM or rubberized roofs.

Clean-up:

Warm, soapy water is recommended.

Handling and Storage:

Do not allow **1752 Elastomeric Underseal** to freeze in container. Store **1752 Elastomeric Underseal** in a dry protected area in original packaging.

Technical Information

Type: Elastomeric Acrylic

Viscosity: 115 KREBS units at 77°F

Diluent: Water

Flash Point: >200°F

Solids: 55-58% by weight
42-45% by volume

Tensile Elongation at Break: ASTM D2370

Moisture Vapor Transmission Perms: ASTM D96

Maximum V.O.C.: 50 grams per liter

The maximum V.O.C. of this product does not exceed 50 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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