PROTECTIVE COATING

374 protective coating is a white vinyl / acrylic water based coating product. It is designed to provide years of protection for flexible insulation from the deteriorating effects of the ultra violet rays (UV) of the sun. 374 protective coating should not be confused with waterproof mastic coatings.

374 protective coating has excellent adhesion characteristics to elastomeric insulation products. It can be used on polyolefin products, but caution should be used because of the poor adhesive receptiveness of polyolefin products in general, the adhesion is not as good as with the elastomeric insulation products. The coating may be tinted using standard water based paint pigments. The minimum storage temperature for 374 protective coating is 50°F. 374 protective coating can be subjected to temperatures below 50°F as long as the temperature does not fall below freezing. The shelf life is 1 year from the date of shipment from Nomaco Insulation for unopened containers.

374 protective coating can be applied by brush, roller, or spray. The coating must be applied to a clean surface, free of dirt, grease, oil, etc., to ensure good adhesion. If the surface requires cleaning, wipe with denatured alcohol, which is fast drying and does not leave a residue. The minimum application temperature for 374 protective coating is 50°F. Do not dilute 374 protective coating. Two (2) coats are recommended for best appearance and optimum performance. Four (4) hours should be allowed for drying between coats. The coating should be allowed to dry for 24 hours before being subjected to rain or temperatures below freezing. 374 protective coating applied below 50° F may have the initial appearance of being acceptable, only to crack or flake off at a later date. If the temperature on the day of the installation is below 50° F, the following options are recommended:

- Return to the job and apply the protective coating after it has warmed up. Applying the coating at a later date, provided the insulation remains clean, is better than applying it in unacceptable conditions. If the time period prior to coating application is more than 60 days, the job should be covered, particularly if it is a roof top application.
- The job can be covered / tented and heat applied to the application during the time of coating and drying.
- Maintain a minimum temperature of 50° F for a minimum of 4 hours after application.

374 protective coating may crack over time, especially if the insulation is flexed. The coating is not as flexible or elastic as the elastomeric insulation. The insulation will expand and contract with variations in the ambient and / or operating temperature. This expansion and contraction may cause the coating to form small cracks. Despite these cracks, the coating will not flake off and will continue to protect the insulation from UV exposure. The coating may yellow slightly from its original white color or become less flexible with age, but this will not inhibit its ability to protect the insulation from UV degradation. The product is not recommended for applications where the insulation will be subjected to standing or ponded water, or for burial applications. Like all water-based paints, 374 protective coating will require periodic maintenance. Re-application every 3 years will maintain performance.

Coating Recommendations
The following three (3) coatings have been identified as having excellent adhesion to flexible insulation products, including polyolefin based products. All of these are solvent-based mastics and will provide the necessary weather protection when applied per the manufacturer's installation instructions.

Approved Coatings for Outdoor Applications:

- Childers Products Company; CP-30 Low Odor Chil-Perm®
- Foster Products Corporation; 30-35 Foster Tite-Fit™ Coating
- Mon-Eco Industries; 55-10 Eco-Vapor Cote Coating

Approved "Peel and Stick" Covering for Outdoor and Heavy Abuse Applications:

- Polyguard Products, Inc.[(800) 541-4994]; ALUMAGUARD 60™

Additional Approved Coatings (water based) for Light Traffic Areas

- Childers Products Company; CP-10/CP-11 (Brush/Spray)

Surface Preparation
The surface of the insulation must be clean and free of any dust, dirt, scale, moisture, oil and grease. Always follow coating manufacturer's instructions for proper surface preparation.

Application Technique
Always follow coating manufacturer's application instructions and guidelines. Mastic products typically require two coats and may require reinforcing mesh. All coatings will require periodic inspection and maintenance.

Notes:

1. A slight bleed through of the ink used to identify the insulation product could occur in each single layer application. This will not affect the physical properties of the coating.
2. After long term outdoor exposure, the above coatings may weather to a light tan or yellow color. This surface appearance will not affect any other physical properties of the coating.

Other Jacket Recommendations
At the installer's option, metal or plastic (PVC) jacketing can be utilized to provide the necessary outdoor protection of insulation products. Always follow jacketing manufacturer's application instructions and guidelines.