



ThermoSeal ARC Product Specification

Product Name

ThermoSeal ARC is the registered trade mark for ThermoSeal, LLC acrylic roof coating.

Product Description

ThermoSeal ARC is a single component, water based, acrylic elastomeric roof coating designed for the protection of Sprayed Polyurethane Foam (SPF), Single-ply, Smooth BUR and Metal roof systems.

ThermoSeal ARC has superior durability, reflectivity, weather proofing and mildew resistance.

ThermoSeal ARC was developed for protection from degradation caused by normal weathering and aging caused by ultraviolet exposure.

Benefits

- *Seamless Waterproofing
- *Environmentally friendly
- *Energy Saving
- *Renewable
- *Reduced life cycle costs

Installation

ThermoSeal ARC may be applied by medium nap rollers, brushes, or by conventional or airless spray equipment designed to handle a tip size of 0.045 inches. Airless spray application is most efficient whereas rolling or brushing may be used for touch up, or to fill voids, pinholes, holidays or cracks.

Apply ThermoSeal ARC only to clean, dry, sound surfaces, free of loose particles or other foreign matter that may interfere with

the adhesion of the coating. A primer may be required subject to type and/or condition of the substrate. It is recommended that ThermoSeal ARC be sprayed in multiple coats to insure uniform film build and to avoid pinholing. Back rolling sprayed material may be necessary to fill pinholes in substrate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters.

Apply two or more coats of ThermoSeal ARC at the rate of 1-1.25 gallons per 100 square feet per coat. Minimum dry film thickness shall be 20-50 mils dependent upon application.

Installation Precautions

Do not apply over wet substrates or when inclement weather is imminent. Total cure of ThermoSeal ARC requires complete evaporation of water. Cool temperatures and high humidity retard cure. Furthermore, all white or light colored coatings can cause a premature artificial dew zone during the curing process under certain climatic conditions. This is generated as the water in the coating evaporates, cooling the white surface and attracting moisture in the form of dew. Therefore, do not apply if climatic conditions prevent complete cure before rain, dew, or freezing temperatures. Apply only to roofs that have adequate positive drainage of at least 1/8 inch per foot.

Technical Data

Colors

- Color: White, Light Gray and Dark Gray

- Tensile Strength: 250 psi \pm 5 (ASTM D 2370)

- Elongation: 200% \pm 20 (ASTM D 2370)

- Solids by Weight 68% \pm 1 (ASTM D 2240)

- Solids by Volume 61% \pm 1 (ASTM D1644)

- Theoretical Coverage 100sf at 8-10 dry mils (ASTM D2697)

- Weight per gallon 11.8 lbs
- Dry to Touch: 4 hours
- Tack free Time 12 hours
- Cure Time 24 hours
- Shelf Life: 12 month if properly stored
- Clean Up: Water

*Theoretical coverage does not take into account application losses or thickness variations.

Bacterial and Fungal Evaluation

ThermoSeal ARC is not a source of food for mold, insects or rodents. It has no nutritional value.

ThermoSeal ARC reduces the introduction of moisture, food, and mold spores through the coating.

Environment/Health/Safety

CLEAN UP: Water

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application.

INGESTION: Do not ingest.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

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WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the S.D.S.

In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424- 9300.

Packaging

Products are shipped in 55 gallon open top steel drums or 5 gallon pails.

Product Storage

ThermoSeal ARC is a water-based Acrylic coating which will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperature dropping below 32°F within a 24-hour period after application.

Limited Warranty

5 Year product warranty when installed properly by a ThermoSeal, LLC authorized representative who has completed all training offered by ThermoSeal, LLC. ThermoSeal, LLC warrants that the product will meet all product specifications outlined in this specification document. 5, 10, 15 and 20 Year System Limited Warranty programs are also available at an additional cost. Consult with ThermoSeal, LLC representative and Spray Foam Contractor for details. For details, Ph. 1-800-853-1577 or Email: info@thermosealusa.com

Product Availability

Contact ThermoSeal, LLC at
1.800.853.1577 for sales and availability
options.



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