

PRODUCTNAME

Thermo-Shield® Foundation Coating

MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Economical and easy to apply
- Waterproof and weatherproof
- Breathable and durable
- No chipping, peeling or flaking
- High abrasion and UV resistance
- Unaffected by salts and acid rain
- non-flammable

PRODUCTDESCRIPTION

Basic Use

Thermo-Shield Foundation Coating provides protection for rigid polystyrene insulation against damage by weather, ultraviolet rays and normal physical wear.

Composition and Materials

Thermo-Shield Foundation Coating is a Portland cement based, polymer-modified mortar, supplied as a two component kit. The kit includes a dry Component A, liquid Component B, Reinforcing Tape and Instructions. You supply the tools required to apply the insulation, a 75 mm (3 in) wide putty knife and a stiff (white-wall) brush.

Limitations

Do not apply Thermo-Shield Foundation Coating when the temperature is expected to be below 4°C (40°F) within 24 hours or when rain is imminent. Follow Hot Weather concreting precautions when applying Thermo-Shield Foundation Coating at temperatures exceeding 25°C (77°F) or under sunny and windy conditions.

Health and Safety

Avoid contact with eyes or prolonged contact with the skin as the coating may cause eye or skin irritations. In case of eye contact, flush eyes with copious amounts of water for at least 15 minutes and get prompt medical attention. Wash skin thoroughly with soap and water. FOR INDUSTRIAL USE ONLY. Consult MSDS for further information.

Color

Dark Grey or White.



The Advanced Materials Centre

Packaging

Each kit is packaged in a 20 L (5.3 USG) pail containing a bag of dry Component A - 20 kg (44.3 lb) and a bottle of liquid Component B - 1.75 L (0.46 USG).

Yield

Thermo-Shield Foundation Coating yields 9.4 L (0.33 ft³) and covers approximately 4.7 m² @ 2 mm (49.8 ft² @ 80 mils) thickness per kit.

Storage and Transportation

Thermo-Shield Foundation Coating when stored on pallets in a dry area, has a shelf-life of 12 months. Component B must not freeze. Packaged 36 kits (pails) per pallet.

INSTALLATION

Current Application Instructions contain additional information specific to each application and must be followed.

Surface Preparation

Fasten the insulation as required. Tape the joints, corners and fastener heads with the glass tape. Scrape the surface of the insulation with a steel brush.

Mixing

Remove the bag with the dry Component A from the pail. Pour all the liquid Component B into the empty pail. Fill the empty container with water. Pour about 2/3 of the water into the pail. Add the dry Component A into the liquid, while mixing thoroughly using a heavy duty drill (400 - 600 RPM) with a mixer. Adjust the water to obtain trowelable consistency.

Application

Pre-coat all the taped areas using a wide putty knife.

After covering all the taped areas, adjust the coating to a brushable consistency by adding the remaining water and mix thoroughly. A small additional amount of water may have to be used, especially under higher ambient temperatures. Test the mixture by brushing on a small area before beginning the overall application. If the coating stiffens during the application, remix, while adding a small amount of water.

Apply the Thermo-Shield Foundation Coating with a stiff brush using a semi-circular motion. Apply approximately 3 mm (1/8 in) thick coating and create the texture immediately. Cover only about a 1 m (3 ft) section at one time. Clean the brush periodically to avoid a buildup of the coating.

Thermo-Shield Foundation Coating can be also applied by trowel, providing less mixing water is used to obtain a troweling consistency of the material.

Avoid possible color-shade differences by mixing enough coating to cover an entire wall section.

Curing

Protect against rapid surface evaporation due to heat and wind.
Allow to air cure for 48 hours before painting.

Clean Up

All tools must be cleaned with water immediately after use.
Cured material can only be removed mechanically.

AVAILABILITY AND COST

Thermo-Shield Foundation Coating Kits are available worldwide. Contact Gemite Products Inc. for the name of the nearest Representative/Distributor and current pricing information.

MAINTENANCE

None required.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For details, contact Gemite's head office.

TECHNICAL SERVICE

For technical advice on suitability of the *Thermo-Shield Foundation Coating* for specific application and application advice, contact Technical Service: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The coating will be *Thermo-Shield Foundation Coating* as manufactured by Gemite Products Inc. [USA 888-443-6483] [Canada 905-672-2020]. It shall be applied in accordance with manufacturer's current Applications Instructions.