SUPERIOR PRODUCTS EUROPE

HOT PIPE COATING™

TECHNICAL SHEET

DESCRIPTION

HOT PIPE COATING is designed to control heat transfer on surface temperatures up to 700°F (370°C). It is waterborne and extremely lightweight in appearance. HOT PIPE COATING uses a special acrylic resin blend with specific ceramic compounds added to provide a non-conductive block against heat transfer. HOT PIPE COATING offers a "Green", non-flammable, nontoxic formula for high heat surface applications over standard steam pipe or oven wall construction. HOT PIPE COATING is easily applied using a texture sprayer, and can be applied over metal, concrete, wood, and other substrates. If HOT PIPE COATING is to be applied over flat steel surfaces, contact SPE for instructions.

TYPICAL USES

- As an insulation system over hot pipes, tanks, and valves
- To block heat migration into cold tanks, lines, and valves
- As a system to block conductive and convective heat
- Easily applied when a hot system cannot be shut down

APPLICATION METHOD

HOT PIPE COATING should only be used for applications less than 700°F (370°C) unless directed by manufacturer. HOT PIPE COATING can be used for applications over 700°F (370°C) up to 900°F (482°C) but only according to the manufacturer's instructions. HOT PIPE COATING can be applied to metal, concrete, masonry and wood. The application is applied using a texture sprayer. For specific instructions on surface preparation, mixing and application, please refer to the SPE Application Instruction sheet for HOT PIPE COATING. If HOT PIPE COATING is applied on surfaces outdoors, you **must** overcoat the HOT PIPE COATING with SUPER THERM, ENDUROOF, RUST GRIP or ENAMO GRIP according to what is needed (please contact SPE for further instructions). It cannot be left uncoated and left exposed to weather conditions. It is light-weight to insulate, which leaves it vulnerable to weather conditions. HOT PIPE COATING must be completely dry before applying top coat.

NOTE: In situations where there is continuous cycles causing movement, and/or risk of contraction and/or expansion, or regular handling/impact of the pipe is unavoidable, please contact SPE for further instructions to support and protect the application of HOT PIPE COATING.

TESTS AND CERTIFICATIONS

- ISO 8302/ASTM C 177 – Thermal Conductivity (0.063 W/mK @ 86°F/30°C)
- ASTM E 84 – Class A
- ISO 8302 – Thermal Conductivity
- IMO – MSC.61(67) Smoke and Toxicity Test

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- Marine Approvals – American Bureau of Shipping;
- USDA Approved

MINIMUM SPREAD RATES (mil thickness)

- 23.0 sq. ft./gal = 50 mils dry film thickness (2.14 m²/gal = 1,27 mm DFT)
- 11.5 sq. ft./gal = 100 mils dry film thickness (1.07 m²/gal = 2,54 mm DFT)
- 5.75 sq. ft./gal = 200 mils dry film thickness (0.53 m²/gal = 5,08 mm DFT)
- 4.7 sq. ft./gal = 250 mils dry film thickness (0.44 m²/gal = 6,35 mm DFT)

PHYSICAL DATA

- Solids: By Weight: 47.0% / By Volume: 71.00%
- Dry Time: If between 200-300°F (93-150°C); 10-30 minutes per coat, or until steaming action has finished.
- Lead and chromate free
- Water-borne
- Cures by evaporation
- Weight: 5.0 lbs. per gallon (600 gr/lit)
- Vehicle Type: Urethane / Acrylic Blend
- Shelf Life: Up to 1 year if unopened under appropriate storage conditions (See SDS)
- VOC Level: 25.1 grams/liter ; 0.209 gals/lbs
- pH: 8.5-9.0
- USDA Approved
- Maximum Surface Temperature when applying: 700°F (370°C)
- Minimum Surface Temperature when applying: 40°F (5°C)
- Maximum Surface Temperature after curing: 700°F (370°C)
- HOT PIPE COATING will not totally burn. Any initial flame will burn off the surface resin before charring and blocking the flame.

SAFETY PRECAUTIONS

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact a physician for medical advice. Avoid prolonged contact with skin or breathing of spray mist.

KEEP OUT OF REACH OF CHILDREN.

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