



HSC® 1000 COATING

Technical Data Sheet (05/14/09)

DESCRIPTION

HSC® 1000 Coating is designed to control heat transfer on surface temperatures up to 200°F (100°C). It is water-borne, and extremely lightweight and smooth in appearance. HSC® 1000 Coating uses a special acrylic resin blend with specific combination of ceramic compounds added to provide a non-conductive block against heat transfer.

HSC® 1000 Coating offers a “Green”, non-flammable, non-toxic formula for medium heat surface applications, attics, wall cavities, crawl spaces, duct work or any interior application. The coating was designed specifically for interior insulation purposes to block the loss or gain of heat. Helps maintain negative pressures to control air flow that harms insulation efforts. HSC® 1000 Coating can be applied over metal, concrete, wood, and other substrates.

TYPICAL USES

- As an insulation system in attics to block heat loss or gain
- To block heat gain or loss through walls
- Insulate and seal crawl spaces
- Stabilize air temperatures in rooms or facilities

APPLICATION METHOD

HSC® 1000 Coating should be used for applications 200°F degrees (100°C) or lower.

HSC® 1000 Coating can be applied to metal, concrete, masonry and wood.

The application can be by spray, brush or roller. For specific instructions on surface preparation, mixing and application, please refer to the SPI Application Instruction sheet for HSC® 1000 Coating.

TESTS AND CERTIFICATIONS

1. ASTM C 177 – Conductivity (0.07 w / m °K)
2. ASTM E 84 – Class A
3. ASTM D 6904 – Resistance to Wind Driven Rain
4. IMO – MSC.61(67) Smoke and Toxicity Test
5. Marine Approvals – American Bureau of Shipping;
6. USDA Approved

MINIMUM SPREAD RATES (mil thickness)

50.0 sq. ft./gal = 27 mils dry film thickness

38.0 sq. ft./gal = 35 mils dry film thickness

PHYSICAL DATA

- ◆ Solids: By Weight: 57.97% / By Volume: 82.88%
- ◆ Dry Time: At 70°F., 1 hour to touch
- ◆ Lead and chromate free
- ◆ Water-borne
- ◆ Cures by evaporation
- ◆ Weight: 5.2 lbs. per gallon
- ◆ Vehicle Type: Acrylic Blend
- ◆ Shelf Life: Up to 2 years if unopened under appropriate storage conditions (See MSDS)
- ◆ VOC Level: 25 grams/liter
- ◆ pH: 8.5-9.0
- ◆ USDA Approved
- ◆ Maximum Surface Temperature when applying: 200°F (100°C)
- ◆ Minimum Surface Temperature when applying: 40°F (5°C)

IMPORTANT

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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