SPI COATINGS
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INSULATION AND CORROSION SPECIALISTS

SP SEAL COAT HT

Technical Data/Application Sheet (08/30/19)

SP SEAL COAT HT is a single-component hybrid resin, water-based coating using specific ceramic loads for application directly over HPC to seal and face up to 500°F (260°C). It was designed to provide a seal for HPC to block water/moisture absorption and seal the surface.

HPC offers a 'green', nonflammable, non-toxic formula for surface applications. SP SEAL COAT HT is easily applied and can be applied direct to HPC. It will give additional protection for CUI development.

TYPICAL USES

- As the top coat for HPC. This is one optional top coat but is designed to face high heat.
- Coating surface will never be hard. It is designed to stay flexible and prevent cracking over a surface that is prone to move.
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SURFACE PREPARATION

Assure that the surface of HPC is clean from residues, dirt and debris.

Mix with SPI's 6" diameter dispersion blade at a low to medium speed until you achieve a smooth texture.

APPLICATION

SP SEAL COAT HT must be applied by airless or texture sprayer. SP SEAL COAT HT will dry in ambient, or faster if heat is applied.

NOTES:

1. Overspray with a hopper gun can be 15-20% loss and must be factored in. Using a TexSpray 2000, overspray will be less, 10-15%.
   * If using airless, 2.5 and up gallon per minute with .035 tip.
   * If using hopper gun or TexSpray 2000, use small or medium tip with machine.
   * Remove all filters from gun.
2. HT is applied 20 mils (0.5mm).
3. Open and stir; has a slight textured look.
4. Blended silicone which causes a longer ambient dry down.
5. Before overcoating HPC, use moisture gauge and assure it is below 20% moisture inside the HPC before overcoating.

MINIMUM SPREAD RATES (mil thickness)

60 sq.ft./gal. = 17 mils dry (6.0 sq.mtr. = 0.4mm). Can be applied in one or two coats.

PHYSICAL DATA

- Solids: By Weight: 66%/ By Volume: 64%
- Dry Time: If 70°F, it will take 24 hours
- Applied over a 140°F (60°C) surface; to touch-40 minutes/recoat-1 hour
- Lead and chromate free
- Water-borne
- Cures by evaporation
- Weight: 7.8 lbs. per gallon (3.5-kilos)
- Vehicle Type: Silicone/acrylic blend
- Shelf Life: Up to 2 years if unopened under appropriate storage conditions (See SDS)
- VOC Level: 200 grams/liter, 1.67 lbs./gal.
- pH: 9.8
- Maximum Surface Temperature when applying: 450°F (232°C)
- Minimum Surface Temperature when applying: 40F (5°C)
- Maximum Surface Temperature 'after curing': 500°F (265°C)

CLEAN-UP EQUIPMENT

Systems should be flushed with soap and water, and waste product disposed of properly.

Storage of Product: Store HT between 40°F (5C°) and 120°F (49°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.**