



# SPI COATINGS

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## SP SEAL COAT HT

INSULATION  
AND  
CORROSION  
SPECIALISTS

### Technical Data/Application Sheet (08/17/20)

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.

#### 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 can be applied by airless or texture sprayer, roller or brush. 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. SP SEAL COAT 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.
6. When applying over HPC, add 40% more product to cover the roughness or extra surface area.

#### MINIMUM SPREAD RATES (mil thickness)

63 sq.ft./gal. = 17 mils dry (5.8 sq.mtr. = 0.4mm).

Can be applied in one or two coats.

#### PHYSICAL DATA

- ◆ Solids: By Weight: 56.7% / By Volume: 67.2%
- ◆ 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: 40°F (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 SP SEAL COAT HT between 40°F (5°C) 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.**

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