



# SPI COATINGS

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## HPC® HT Primer

### Technical Data Sheet (01/30/20)

HPC®-HT PRIMER is a single-component resin, water-based coating using specific ceramic fiber loads for application directly over surfaces 200°C (392°F) and up to 600°C (1112°F). It was designed to provide the initial adhesion over extremely hot surfaces before the heavier-loaded HT is applied.

HPC®-HT PRIMER offers a 'green', nonflammable, non-toxic formula for high-heat surface priming. HPC®-HT is easily applied, and can be applied direct to metal, and other high-temperature surfaces.

**NOTE:** Can be applied over ambient but takes a day to dry.

#### **TYPICAL USES**

- As the high-temp primer coat for surfaces greater than 250°C, over hot pipes, tanks, and valves
- Applied when a hot system cannot be shut down.

**NOTE:** A respirator should be worn while mixing and applying the HPC®-HT PRIMER.

#### **APPLICATION METHOD**

The application is applied using a hopper gun or a Texspray 2000, using the smallest tip. For specific instructions on surface preparation, mixing and application, please refer to the HPC®-HT Primer Application Instruction Sheet.

HPC®-HT PRIMER will dry immediately upon contact and be ready for the regular HPC HT application.

#### **NOTES:**

1. According to tip size (use smallest tip size), overspray with a hopper gun can be 15-20% loss, and must be factored in.
2. HPC®-HT PRIMER is applied to 1/8-inch (3mm) thickness.
3. Open and stir; will have a textured look.

#### **MINIMUM SPREAD RATES (mil thickness)**

22 sq.ft./gal. = 30 mils dry (2.0 sq.mtr. = 0.75mm).  
Apply in two coats with each coat @ 40 mils (1mm) wet.  
Wait 5 minutes between 1<sup>st</sup> and 2<sup>nd</sup> coat.

#### **PHYSICAL DATA**

- ◆ Solids: By Weight: 43.3% / By Volume: 41.1%
- ◆ Dry Time: If between 400-1112°F.; @ 10 seconds per coat, or until steaming action has finished.
- ◆ Lead and chromate free
- ◆ Water-borne
- ◆ Cures by evaporation on hot surfaces
- ◆ Weight: 12.00 lbs. per gallon (5.44-kilos)
- ◆ Vehicle Type: Silicate hybrid 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: 11.0
- ◆ Maximum Surface Temperature when applying: 1112°F (600°C)
- ◆ Minimum Surface Temperature when applying: 390°F (200°C); less than 200°C, use regular HPC®
- ◆ Maximum Surface Temperature "after curing": 1112°F (600°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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