The right coating for ultimate protection.

HSC 300™

Application Instructions

(12/18/07)

HSC™ Coating is a water-based mixture of three special acrylics with seven ceramic compound created to provide a sprayable high-temperature blocking coating. Designed to immediately lock down and block the loss of heat from the surface. No shutdown is required; the product can be applied while surface is in operation.

SURFACE PREPARATION

As a topcoat:

1. Surface must be cleaned and free of dirt, oil, tar, grease, salts and residue.
2. Surface must be completely dry before applying.
3. Surface can be operating up to a temperature of 350 degrees F. for fast dry and lock down.

MIXING

1. Mix hand or drill for two minutes.
2. Up to one quart of water per 5-gallon pail can be added, if needed.

POT LIFE

Can dry out if left open in the sun.

TEMPERATURE

1. Apply between 40 F. and 120 F. degrees.
2. Store between 40 F. and 120 F. degrees according to standards indicated on the MSDS.

MINIMUM SPREAD RATES

Apply @ 10-20 sq ft per gallon.

APPLICATION

HSC™ Coating can be applied by brush, roller or spray; however, the preferred method is airless sprayer:

1. If application is by brush, use a soft bristle brush.
2. If application is by roller, use a 3/8" nap roller.
3. If application is by spray, use an airless sprayer that applies 2-3 gallons per minute (i.e. Graco 7900—3000 psi minimum with 0.35-0.45 tip).
4. Apply a thin coat @ 50 wet mils (1.25 mm) as the primer to make the initial lock down of the coating to the surface, while allowing steam to escape without causing bubbles in the coating. According to the surface heat, several thin coats may need to be applied to reduce the temperature before the thickness desired is achieved in one final application.

NOTE: The number of coats and the thickness of each coat will be in accordance with the job specifications.

CURE TIME

1. Five minutes to touch at 300 degrees F.
2. Overcoating window is 5 minutes when applied over operating pipe.
3. Fully cures in 24 hours at 300 degrees F. operating temperature.

CLEAN-UP EQUIPMENT

1. During breaks, spray systems should be flushed with water.
2. After completion, spray systems should be flushed and cleaned with soap and water.
3. After completion, brushes and rollers should be cleaned with soap and water.