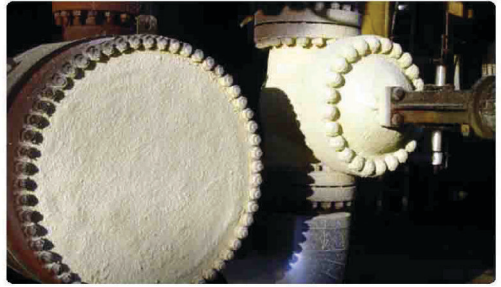


HOT PIPE COATING

Hot Pipe Coating® (HPC) is a ceramic based, water-borne insulating coating, designed to insulate in extreme heat situations, and can be used both as a base coat / primer and build coats to achieve the desired thickness. HPC provides for safer surfaces and overcomes all the downfalls of conventional insulation.



DESCRIPTION

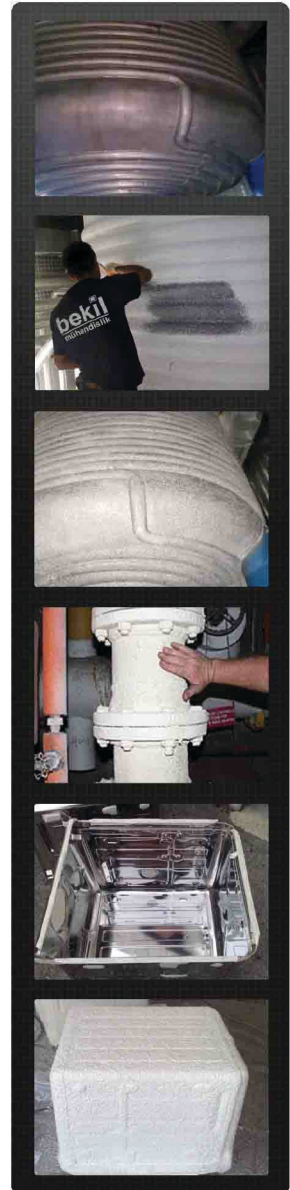
HPC® Coating is designed to control heat transfer on surface temperatures up to 700°F (371°C). It is water-borne and extremely lightweight in appearance. HPC® Coating uses a special acrylic resin blend with specific ceramic compounds added to provide a non-conductive block against heat transfer. HPC® Coating offers a “Green”, non-flammable, non-toxic formula for high heat surface applications over standard steam pipe or oven wall construction. HPC® Coating is easily applied using a texture sprayer, and can be applied over metal, concrete, wood, and other substrates.

BENEFITS

- Apply directly to hot surfaces to immediately reduce the surface temperature.
- Add build coats as needed to reduce the temperature to the desired level.
- Easy to apply. Overcomes downfalls of conventional pipe wrapping.
- Direct-to-metal coating on properly prepared steel.
- Non-flammable and non-toxic.
- Does not absorb moisture or lose insulation value, like fiberglass.
- Long-term cost effectiveness.

USES

- Reduction of external temperature of hot surfaces as an aid to worker safety. (Canadian code for hot surfaces = 70°C).
- Reduction of heat losses and resulting energy savings.
- Reduction of condensation in situations with large temperature differences.
- Application
- Although HPC can be applied by non-professionals, Superior Products Europe recommends using a certified applicator. Contact 1-866-310-7585 for details.



APPLICATION

HPC® Coating should only be used for applications less than 700°F (371°C) Degrees unless directed by manufacturer.
HPC® Coating can be applied to metal, concrete, masonry and wood. The application is applied using a texture sprayer.

PHYSICAL DATA

- Solids: By Weight: 54.43% / By Volume: 80.31%
- Dry Time: If over 200-300°F.; 10-30 minutes per coat, or until steaming action has finished.
- Lead and chromate free
- Water-borne
- Cures by evaporation
- Weight: 4.4 lbs. per gallon
- Vehicle Type: Urethane / Acrylic Blend
- Shelf Life: Up to 1 year if unopened under appropriate storage conditions (See MSDS)
- VOC Level: 14 grams/liter
- pH: 8.5-9.0
- USDA Approved
- Maximum Surface Temperature when applying: 700°F (371°C)
- Minimum Surface Temperature when applying: 40°F (5°C)
- Maximum Surface Temperature after curing: 700°F (371°C)

TESTS AND CERTIFICATIONS

1. ASTM C 177 - Conductivity (0.06 w / m °K)
2. ASTM E 84 - Class A
3. ISO 8302 - Thermal Conductivity
4. IMO - MSC.61(67) Smoke and Toxicity Test
5. Marine Approvals - American Bureau of Shipping;
6. USDA Approved
9. Marine Approvals: - American Bureau of Shipping; USOG; IMO; DNV;
10. USDA Approved
11. Flexibility (ASTM E1737): 180 degree bend - passed
12. Adhesion (ASTM B3359): Rated a 5B
13. Perm Rating (ASTM E96): 8.8 average
14. Abrasion Resistance (ASTM D4060): 3,000 cycles
15. Resistance to Salt Spray: 2,000 hours
16. Resistance to Wind Driven Rain (ASTM E514)

PROJECTS



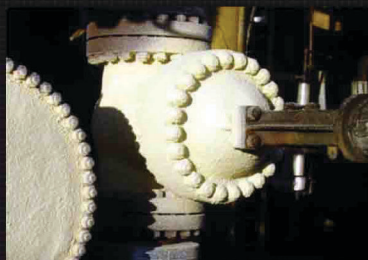
Steam Pipes - Turkey [before]



Steam Pipes - Turkey [after]



Steam Pipes - South Korea [before]



Steam Pipes - South Korea [after]