PRODUCT INFORMATION DATA
CCC / 100 CERAMIC INSULATION COATINGS

SPRAY APPLIED REFLECTIVE SOLAR & RADIANT HEAT BARRIER

COMPANY: DELTA T & PROTECTIVE PRODUCTS INC.

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CCC / 100 is a proprietary, energy saving, high performance acrylic elastomeric reflective radiant Solar and Radiant heat reflective barrier product.
The product formulation includes micron size ceramic beads incorporated into the coating. These micron sized ceramic beads provides an insulative reflective radiant heat & solar ray barrier. The CCC / 100 Ceramic Insulation Coating reflects all radiant and solar rays back to the source achieving up to 95 5 control of heat energy attempting to escape, while at the same time blocking cold air from entering .. When applied as directed @ the rate of20 - 25 mils (wft.) or 70 sq. ft. per gallon per coat will bridge small crevices, cracks, and surface imperfections, providing a high performance product that can withstand substrate movement, maintaining its flexibility and elongation properties.

USES:

can be used to insulate odd or conical shaped structures: Note: It is recommended usage when ever possible with the combination of spray applied foam insulation specifically @ temperatures below 170 degrees. F. (75 C.)
foundation walls for waterproofing and heat transfer.
Mechanical duct works & piping.
Storage tanks - carbon steel, stainless steel , fiberglass, etc.
Traffic tunnels
Commercial metal roofing
Refrigeration vaults, water vaults
Rail cars,
Sea-Can Containers

ADVANTAGES:

- due to excellent tensile strength and elongation properties, reduces thermal shock of substrates related to freeze thaw conditions.
- provides a seamless, rubberized insulation coating, includes excellent performance relating to condensation problems.
- eliminates mold caused by moisture conditions, allows substrate to breath.

- Water vapor transmission	2.9 perms (ASTM - E96BW) 130
- Tensile Strength	psi @ WFT. 13 (ASTM 412) 310 %
- Elongation	(ASTM D412)
- Fire Resistant Rating	JO (ASTM E84-01
- Surface Temperature - Installation-	Min. 5 C. (41 F.) Max .. 70 C. (160 F.)

Surface Preperation :

New surface (shop applications) Surfaces must be structurally sound, free of dirt dust, or grease, and loose particles. Remove any contaminants by power washing ... Allow wet surfaces to dry prior to applying.

Application:

Apply as received in the container. Do not add other paints or solvents. Do not thin. Stirring is not required prior to use. It is best applied by Airless paint machine, however for some jobs it can be brushed, or rolled. Do not install when the ambients temperatures are below 5 C. (41 .) It may be applied to substrates that has a damp look effect without problems. It is not reccommended that the product be installed when beads of moisture is present.

Airless Spray Equipment:

Apply generously in a crosshatch pattern to achieve a pinhole free surface. Monitor application frequently with a wet film thickness gauge to ensure proper wet film thickness. The product can be applied to surfaces @ the rate of 75 sq, ft. per gallon, equal to apprx. 20 - 25 mils (wft.)
Use equipment capable of maintaining 3000 psi. Use a reverse clean tip with an orfice size range from 4 or 5 fan 0.017 to 0.023.

Clean Up;

Purge all equipment including delivery hose and gun with clean water. Circulate water through equipment for at least 5 minutes prior to shut down.