CLIMATE-SHIELD® TANK SHIELD

DESCRIPTION
Climate-Shield® Tank Shield is a highly efficient, energy-saving, flexible coating, designed to protect and lower the external surface temperature of storage vessels. It is non-toxic and friendly to the environment. It is completely washable and resists many harsh chemicals and dirt pick-up. This water-based coating is made from an acrylic resin system filled with vacuumed ceramic micro spheres that acts as a thermally efficient blanket. Climate-Shield® Tank Shield has superb fire resistance - it is grade Class A by UL Standards. It can be obtained in a variety of architectural colors for signs and logo making. It leaves a beautiful matt finish but can be made glossy when coated with Climate-Shield® Clear Coat.

TYPICAL USES
For the exterior of steel petroleum storage tanks and pipelines where the reduction of surface temperature is desired. Used also for the exterior of steel or polymer water tanks, grain storage silos and the exterior of most chemical storage tanks. This coating is resistant to 26 different harsh chemicals including 20% hydrochloric and 25% sulfuric acids.

PRIMER
Use alkyd or epoxy quality primers where required and/or rust inhibitors to make sure rust will not be present during the application of the coating.

SURFACE PREPARATION
All surfaces must be clean and free from rust, dust, dirt, oil or grease. Minimally, surfaces must be cleaned to remove any loose or chipped paint or any other foreign material prior to the application of Climate-Shield® Tank Shield. Rust should be controlled with the use of rust inhibitors.

COLORS
White and any custom color available. Darker colors will give a correspondingly lower reflectivity.

V.O.C.
0.33 lbs / gallon 39.5 grams / liter

THEORETICAL COVERAGE (2 to 3 Coats)
7 m² per gallon at 380 microns DFT (75 sf/gallon at 12 mills DFT) with no loss

DRYING TIME
To set: 45 minutes / To re-coat: 12 hours / To through: 12 hours At 24 Deg C (75 Deg F) and 50% relative humidity

INSULATION
Reflectance 89%, Emittance 94%, Conductance 0.05 W/mK