

SurfaceCool™ Cool-Roof®

Description

Cool-Tank® is a High Tech / High performance liquid applied 100% Acrylic thermal insulation and energy saving surface coating for industrial uses.

Cool-Tank® coating having a high quantity of ceramic micro-spheres of vacuum beads in an elastomeric high-grade acrylic resin emulsion outlasts other radiant heat barrier systems.

Cool-Tank® is applied on most substrates including that of concrete, metal, Stainless Steel, fibro-glass and plastic. Upon being applied on steel surface **Cool-Tank®** will act as Rust Inhibitor by converting iron oxide into iron phosphate and thus eliminating further steel corrosion and is environmentally friendly.

the entry of moisture from the surroundings, prevent corrosion and protect personnel from extremely high or low temperatures. (For more on the benefits of insulating coatings, see Use of Insulating Coatings for Hazard Protection.)

Cool-Tank® Thermal insulating coatings are an excellent option in areas prone to storms due to the many challenging factors those regions face. Problems like recurring severe weather events, high average rainfall totals and average to high humidity lead to escalating maintenance costs year after year. By Cool-Tank® thermal insulating coatings, clients can have an insulation solution that is not affected by those issues, resulting in a lifelong return on investment.



Cool-Tank® Thermal insulating coatings have low thermal conductivity and create a barrier between a container or structure (e.g., pipelines, process vessels, tanks) and the surrounding environment, with the

The coating is typically applied by airless spraying.

Cool-Tank® provides excellent durability and dirt pickup resistance, helping to reduce the darkening of light-colored roof coatings over time for long-term energy efficiency.

Cool-Tank® Application object such as:

- Oil tanks
- Heated tanks
- Heat exchangers and boilers
- Pipelines and steam lines
- Pressure valves
- Fire water tanks
- Storage tanks and vessels.




Cool-Tank® also are applicable for architectural, anti-condensation and industrial paints & coatings like maintenance coatings for bridges, truck under-carriages & other exposed metal structures and epoxy floor coatings.

Cool-Tank® Solved tasks

- Elimination of heat loss.
- Increase of material cooling time.
- Reduction of power consumption for heating.
- Reduction of tank warming up in summer time.
- Anticorrosion protection.
- Easy assembling (any structure elements)
- Cost effectiveness.
- Thermal insulation of oil tanks
- Installation - painting works
- High maintainability
- Resistance to oil products
- Reduction of material evaporation speed (for example, petrol)
- Long service life



Test type	Standard	Result
Solar Reflectance Index (SRI)	ASTM E 1980 : 01	109 -110 - 111 (DCL)
Thermal conductivity	ASTM C518 - 02	0.07 W/mK
VOC Content	BS EN ISO 11890-2 : 2013	< 0.1 g/l
Flammability	ASTM D1230-10	None
Fire Resistance	ASTM E84	Class A
Neutral SALT Spray test	ISO 9 227:2017	Pass
Corrosion Category	ISO 12944-2	C4 High & C5 Medium
Degree of Corrosion & Delamination	ISO 4628-8	Corrosion grade 1 Delamination grade 1
Neutral SALT Spray test – Cracking	ISO 4728-4	0S(0)
Pull of adhesion strength	ASTM D454-17	2.23 N/mm ²
Heavy metals	ICP-AES/WLIP-028	<0.05 PPM
	ISO 3856-2	<0.1 PPM
	ISO 3856-7	<0.1 PPM
Appearance:	Liquid	
Colour:	White	
Typical Properties:		
Active Ingredients:	83.60%	
Density at 20 C°	0.93 kg/Litre	
SRI:	110 – 111 (DCL)	

