

Technical Data \

TRITOTHERM

Acrylic and ceramic-based thermal insulating coating

Product Description

TRITOtherm is an acrylic & ceramic based thermal insulating coating that reflects UV rays and dramatically reduces heat transfer through it, resulting in a thermal insulating barrier. It is also a premium protection coating that prevents premature degradation to roof membranes it is applied to. It can be used as the surface coat to the TRITOflex system or it may be applied over other types of roofs to slow down deterioration and provide superior energy efficiency through its thermal insulating properties year-round and in all climates.

Product Uses

TRITOtherm can be employed not only in roofing applications for energy savings and membrane protection, but for coating interior and exterior walls, steel or wood beams, pipes, and a wide range of specialty heat resistant coating applications. TRITOtherm is a thermal insulating, protective coating solution for the entire building envelope and beyond. TRITOtherm can be applied by spray, roller, or brush.

Installation

Surface preparation is generally limited to cleaning the substrate with water to provide a clean surface for TRITOtherm to adhere. The substrate must be dry before application. (Surface temperature restrictions.) A primer coat may be required for some substrates. Please refer to manufacturers' specific application instructions, limitations, and cautions.


PHYSICAL PROPERTIES (LIQUID FORM)

Color	White
Consistency	Thixotropic liquid
Packaging & Shelf Life	5 gal (20 L) buckets and 55 gal (190 L) drums with (1) year shelf life
Solids Content	62% solids by weight
Coverage	2 gal (7 L) per 100 sq. ft. (10 sm) for 20 mils (0.5mm) dry (installed in two coats)
Clean Up	Water

PHYSICAL PROPERTIES (CURED FORM)

TYPICAL VALUE

Color	White
Coating thickness	20 mils (0.5 mm) dry is typical application
Elongation	350%
Fire Resistance	Excellent
Chemical Resistance	Mild acids, alkalis, & battery acids
Solar Reflectivity (ASTM C1549)	0.85
Thermal Emittance (ASTM C1371)	0.92

	Solar Reflectance	Initial 0.85	Weathered Pending
	Thermal Emittance	0.92	Pending
	Rated Product ID Number	0001	
	Licensed Seller ID Number	1178	
Classification	Production Line		
<p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>			