

DESCRIPTION

ProShield - TC is a water based single component cold spray applied coating that combines the elastic properties of polymers with the weatherproofing and waterproofing capabilities of highly refined asphalt. This **ZERO VOC** high- build coating forms a seamless waterproof membrane that adheres to most construction substrates. It also displays excellent chemical and corrosion resistant properties.

ProShield - TC is designed to provide a durable elastomeric protective coating and can be used wherever an impenetrable moisture barrier is required. ProShield - TC can be used by itself as a complete protective coating membrane or be used in combination with ProShield topcoats to form a fully redundant and renewable MERC roof system. ProShield TC emulsion is the primary (base) waterproofing component of many UL Class A and FM 4470 approved roofing systems.

ProShield - TC emulsion can be spray applied with or without a catalyst with specialized airless spray equipment to form a seamless monolithic membrane and can only be applied by ProShield Trained and Certified professional applicators.

Manufactured to meet ASTM D1227 Type III, "Standard Specification for Emulsified Asphalt Used as a Protective Coating for Roofing," Component of UL Class A and Factory Mutual 4470 Class 1 roofing systems - LEED (USGBC) Certified

NOMINAL PROPERTIES

PHYSICALPROPERTY	TEST METHOD	VALUE
Puncture Resistance	ASTM -E- 154	No Puncture
Impact Resistance	ASTM-D-2939	Pass
Elongation	ASTM-D3488	>1000%
Recovery	ASTMD-412	>90%
Tensile Strength	ASTMD-412	Materials Did Not Fail
Tensile	ASTMD-413	2000 lbs./ft2 Uplift Force
Water Vapour Permeance	ASTM-E-96	.08 Perms
Water Absorption	ASTM-D-570	0.02% Max
Resistance to Water	ASTM D-2939	No Signs of RE-emulsification
Permeability (U.S. perms)	ASTME-96	0.02 Perm/inch
Salt Fog Exposure	ASTM-B-117	Pass
Peel Strength Steel, Wood, Concrete	ASTM - 903	>11 lbf.in
Peel Strength to Self	ASTM - 903	Did Not Peel - Homogenous

This information is intended only as a guide for design purposes. The values shown are the average values obtained from sprayed laboratory samples. The test methods were performed per the ASTM Book of Standards. Higher or lower temperature & humidity conditions will effect dry time. *The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, preparation and other factors.*