



LONE MAGNOLIA TECHNOLOGY™
 Enviromental Protection Products

Strom Smith
 1 (832) 330-7078
 Michael Smith
 1 (832) 330-8675

WeatherCoat 2 component

Two-Component 100% Solids Super Polymer

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

WeatherCoat is a two component 100% solids formulation which does not contain VOCs. Skin thickness has no limitation. WeatherCoat polyurea is a very strong highly resilient super-polymer designed to have approximately 2 minutes open time for broadcasting aggregates. WeatherCoat is primarily use for road/pavement lining and industrial flooring where non-skid surface is ideal. WeatherCoat may also be used as a spray-on super adhesive. This super-polymer exhibits extreme properties such as tear strength, impact and abrasion resistance. StormSkin is a non-breathable polyurea which eliminates water vapor transmission to underlying surfaces.

APPLICATION PROCEDURE

WeatherCoat must be applied using a 2-component, 1500-2200 psi high-pressure, heated spray machine. Material and line temperatures are recommended at 130°F. Thorough mixing of the B-Side component is required during application. Proper safety wear is mandatory. Surface application temperature ranges from 0°F to 150°F with dry surface. WeatherCoat gels at approximately 120 seconds with a tack free time of approximately 5 minutes. Although WeatherCoat exhibits tough physical properties within 1 hour of spraying, full post cure with best properties are achieved in approximately 24 hours. Surfaces must be prepped for cleanliness and dryness and may require the use of an adhesion promoter primer to acquire proper adhesion. Spray coverage at 16 mils is 100 sq. ft./ mixed gal thickness.



HEALTH AND SAFETY

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

StormSkin PHYSICAL PROPERTIES

Hardness	ASTM D2240	55D
Tensile Strength	ASTM D412	2850 psi
Elongation	ASTM D412	300%
Impact	ASTM D2794	>350 in. lbs.
Moisture Vapor Transmission	ASTM E96	0.24 perms
Taber Abrasion CS18	ASTM D4060	22 mg/1k cycle
Tear Strength	ASTM D624	450 lbs./lin. in.
Gel Time	Time	120 sec.
Mix Ratio	PBV	1A – 1B

ADHESION RESULTS

Typical Substrates per ASTM D-4541 Elcometer		
Concrete*	>300 psi	Cohesive failure; excellent bonding
Steel*	>1000 psi	Excellent bonding
Wood – dry/dust free*	>250 psi	Wood failure; excellent bonding

*All substrates primed with SuperSkinSystems' Primer 28

WARRANTY

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