SUPER TURTLEPOLY

Technical Data Sheet

Product description
: A very low VOC, two component hybrid slow polyaspartic system designed to maintain the integrity of various surfaces such as concrete, wood, metal etc. It exhibits excellent UV stability as well as good mechanical properties, good chemical and solvent resistance, while showing a very good aesthetic appearance.

Advantages
: Very low odor
Very low VOC
UV stable
Aesthetic finish
Good chemical resistance
Good mechanical properties
Easy to clean, bacteria and moisture resistant surface

Uses
: Industrial flooring,
Bridges,
Maintenance facilities,
Aircraft hangar
Flooring,
Car washes
Areas needing a resistant flooring topcoat.

Technical Properties		
Compressive Strength	ASTM D695	9000-10000 psi
Tensile Strength	ASTM D638	7000-8000 psi
Permeability	ASTM D570	2%
Abrasion Resistance	ASTM D4060	0.10 g
Bond Resistance	ASTM D4541	268 psi
Shore D Hardness	ASTM D2240	76-77
Elongation	D638	100%

Application Data	
Application Temp	77° F
% Solids by Weight	93.5%
VOC Content	>3 g/L
Mixing Ratio by Volume	1:1
Mixed Viscosity	720 cps @ 75° F
Color	Clear
Cure Time	8 Hours
Work Time	60 minutes

FOR PROFESSIONAL USE ONLY!!

Surface Preparation: Surface must be clean, sound and dry. Prior to coating a E4E floor all trowel marks and surface imperfections must be removed to produce a smooth & uniform surface. Proper surface preparation is critical to ensure an adequate chemical bond to substrate. Substrate must be dry and free of all wax, grease, oils, fats, soil, contaminants, loose or foreign matter and laitance. Concrete should be cleaned and prepared using a shot blast machine or adequate grinding equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application.

Mixing: Is supplied in factory proportioned quantities, greatly reducing the risk of applicator error during mixing.
Step 1 - Mechanically premix PART A (resin) with an appropriate slow speed drill equipped with a Jiffy Mixer, for 1 minute.
Step 2 - Slowly empty entire content of PART B into container holding PART A and continue to mix slowly for 3 minutes until uniform consistency in texture and color is achieved. Avoid unnecessary entrapment of air during mixing. Make sure to scrape walls and bottom of container with straight edged trowel at least once to ensure homogeneous mix. Make sure to empty ALL contents of PART B into PART A to avoid system weakening or incomplete curing.
DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.

Application: Should be applied with a rubber squeegee and back rolled with a 18" lint-free nap roller (on smooth surfaces) to remove squeegee lines and smooth out coating.

Limitations; Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point.
Moisture within substrate must be ≤4% by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.