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Product Data Sheet For:

PLEXICREST XP Polyaspartic

DESCRIPTION

PlexiCrest XP Polyaspartic is a state of the art high solid, no VOC's (Volatile Organic Compound), aliphatic polyurea that was developed for UV stable (colorfast) polyurea flooring applications as a grout coat, top coat or a standalone coating. This new generation polyurea displays fast cure times and excellent adhesion characteristics. XP was designed to be quick gelling (15 minutes) in order to optimize leveling and wetting properties. This state of the art polyurea elastomeric displays excellent chemical resistance, water insensitivity, and UV resistance (in any color) at a wide range of temperatures. XP will provide a glossy, smooth finish when fully cured. Aggregate can be broadcast into this self-leveling material to provide a non-skid surface. XP emits virtually no odors and can be applied indoors with minimal disturbance contributed to high V.O.C. levels found in most epoxies and polyurethanes. This product meets USDA and FDA specifications.

FEATURES

VOC Compliant	Excellent UV Resistance
Fast Setting (within 20-30 minutes)	High Gloss
High Strength	Abrasion Resistance
Excellent Weatherability	Good Resiliency

USES

Most Metal, Rubber, Wood or Masonry Surfaces
 Food Processing Plants
 Steel Structures and Bridges
 Aircraft hangar-decks
 Floor Top Coatings
 Petrochemical plants

Maintenance Facilities
 Industrial Shop Floors
 Concrete and Plywood
 Floors that require UV Stability
 Residential & Commercial Exterior Coatings
 Storage Tanks

TYPICAL PHYSICAL PROPERTIES

Density, lb/gal	Part A: 9.55	Part B: 9.25
Tensile Strength, psi	ASTM D412	4000-5000
100% Modulus	ASTM D412	N/A
300% Modulus	ASTM D412	N/A
Hardness Shore D	ASTM D2240	70-75
Elongation, %	ASTM D412	50-70
Viscosity, cp @ 77°	Part A: 90-120	Part B: 2000-3000
Tear Strength, PLI	ASTM D412	600
Gel Time, min @ 75°	15-20	
Initial Set Time, min @ 75°	20-30	
Mix Color	Clear	
Mix Ratio	2:1 by volume	

AVAILABLE COLORS

*Clear, Most primary colors (including white)
 *Custom tinting available

PACKAGING / COVERAGE

15 gallon kit: 2 five-gallon pails of Part A and 1 five gallon pail of Part B

TYPICAL PROCESSING PROPERTIES

Gel Time (75° F) Pot Life	15-20 minutes
Tack free time (75° F)	45 minutes
Open to foot traffic	60 minutes
Volume Ratio A :B	2:1

STORAGE

Material containers should always be stored indoors in a minimum temperature range of 68°F – 85°F (20° C – 29°C). The product has a shelf life of 1 year from the date of manufacture.

MIXING

Part A and Part B should be mixed individually before combining. Add Part A to Part B while mixing, using a mechanical mixer (Jiffy Mixer) at medium speeds. Mix until a homogeneous mixture and color is obtained (at least 5 minutes). Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened pot life. Do not mix any material that cannot be used within 5 minutes.

APPLICATION

XP can be spread using a notch squeeze and a brush or nap roller can be used for the application. It should be noted that the thicker the application, the longer the curing process takes.

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours between each coat. Allow a minimum of 4 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian or auto traffic on to the finished surface. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or humidity extend the cure time.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

This product contains isocyanate and curative material.

