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Ultra-EPX™ UE-3027-85D

PRODUCT INFORMATION

Description and Applications:

Ultra-EPX™ UE-302-85D is a two-component 2:1 100% solids, high-performance bisphenol F based epoxy spray coating system which exhibits excellent adhesion to most metal, concrete, wood, and plastic substrates. The coating is formulated to give superior chemical resistance and has outstanding resistance to abrasion, scratching and marring. The AR version has a high loading of aluminum oxide to provide extended wear life. Ultra-EPX™ epoxy systems have moderate resistance to weathering and are resistant to many solvents, acids, and alkalies.

This Ultra-EPX™ line of products is specifically designed for flooring and architectural applications to replace conventionally applied epoxy coatings. Ultra-EPX™ coatings are particularly useful where a FASTER return to service is needed. These products are 100% solvent-free, do not require waiting to cure or re-coat and as a result, more square footage can be coated in one day than all of the conventional systems.

Component Properties:

	Component "A"	Component "B"
Viscosity @ 72° F	900 to 1100 cps	400 to 600 cps
Specific gravity @ 72° F	1.16	1.09
Weight per gallon	9.60	9.03
Ratio by volume, parts	2 to	1

Cured Film Properties:

60° Gloss:	80-90
Cure time @ 75°F (Faster at elevated temperatures)	30 to 60 sec touch dry, 2 - 4 hours light traffic, 8 to 12 hours return to service.
Film Thickness Range:	15 to 80 mils. Recommended 20 mils for most flooring applications.
Coverage @ 20 mils lbs/100 sqft:	17.36 lbs

Typical Environmental Properties: (On B1000 Panels)

Salt Fog: (ASTM B-117)	1000 hours
Humidity (ASTM D4585)	1000 hours

Performance Tests:

Impact Resistance: (ASTM D2794)	100 Dir/ 100 Rev.
Adhesion: (ASTM D-3359)	No failure with 1/8" squares
Flexibility (ASTM D-522)	Pass 3/8" mandrel bend
Pencil Hardness (ASTM D3363)	3H 85 to 87 shore D

All information provided is as a guide only. It is strongly recommended that all material be tested by the user for suitability for each particular application. 5 Star Polymers, LLC accepts no responsibility for any equipment or substrate damage caused by misuse of this product.