Resins Plus™

RS2785 85% Solids Polyaspartic

PRODUCTDESCRIPTION

RS2785 85% Solids Polyaspartic is a two-components, polyaspartic coating 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.

APPLICATIONS

RS2785 85% Solids Polyaspartic is very suitable to protect:

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

ADVANTAGES

- Low odor
- UV stable
- Aesthetic finish
- Good chemical resistance
- Good mechanical properties
- Easy to clean,
- Bacteria and moisture resistant surface

PACKAGING

RS085 85% Solids Polyaspartic is packaged in factory proportioned packaging for easy handling and mixing.
2 gallon kits and 10 gallon kits

STORAGE

All components should be stored in dry, temperature-controlled areas between 55-85°F. Do not expose to freezing or excessive high heat

TECHNICAL DATA @ 75°F			
% SOLIDS BY WEIGHT	85%	VOC CONTENT	200 g/L
POT LIFE 100G	40-50 Minutes	MIXING RATIO BY VOLUME	1:1
SUGGESTED # OF COATS	2-3	RECOAT TIME (8-12 MILS)	4 Hours / 6 Hours
THICKNESS BASE COAT	8 Mils/200 ft^2		
THICKNESS TOP COAT	8-12 Mils/135 ft^2		
FOOT TRAFFIC	12-24 Hours	LIGHT TRAFFIC	2 Days
FULL CURE	7 Days	SHELF LIFE	12 Months unopened
COMPRESSIVE STRENGTH ASTM D695	9000 psi	BOND RESISTANCE ASTM D4541	500psi
TENSILE STRENGTH ASTM D638	6000 psi	HARDNESS (SHORE D) ASTM D2240	70-75
WATER ABSORPTION ASTM D570	0.2%	ELONGATION D638	100%
ABRASION RESISTANCE ASTM D4060	0.3 g	MIXED VISCOSITY	200-300 cps

PRIOR TO USE APPLICATOR MUST ALWAYS READ AND FOLLOW WARNINGS AND INSTRUCTIONS . MOST UP TO DATE PRODUCT TECHNICAL DATA SHEETS, PRODUCT LABELS AND MATERIAL SAFETY DATA SHEETS WHICH ARE AVAILABLE UPON REQUEST BY CALLING RESINS PLUS TECHNICAL SUPPORT DEPARTMENT.

SURFACE PREPARATION

Surface must be clean, sound and dry. Prior to coating a 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: RS2785 85% Solids Polyaspartic 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 scrap e 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 THAT CAN BE APPLIED WITHIN WORKING TIMELINE.

POTLIFE

After mixing, **RS2785 85% Solids Polyaspartic** has a pot life of approximately 45-60 minutes at 75F. Pot life depends on ambient and surface conditions.

APPLICATION

RS2785 85% Solids Polyasparticshould be applied with a rubber squeegee and back rolled with a 10mm lint-free nap roller (on smooth surfaces) to remove squeegee lines and smooth out coating.

CURING

RS2785 85% Solids Polyaspartic topcoat may be put back into service after 48 hours. Full product characteristics are achieved after 72 hours. Curing times dependent upon ambient & surface conditions.

PRECAUTIONS & LIMITATIONS

Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point.

Substrate Moisture: Moisture within substrate must be ≤4% by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.
Dew Point: AVOID CONDENSATION. The substrate must be at least 5˚F above Dew Point to reduce risk of condensation. Condensation may lead to failure in adhesion. Avoid situations where substrate temperature is considerably lower than ambient temperature.

Do not add thinners or solvents to mix. Do not add water. Dispose of waste materials in accordance with government regulations. The use of safety glasses and protective gloves is required. In case of contact, flush areas with abundance of water for 20 minutes and seek medical assistance. Wash skin with soap and water. Use only in well ventilated areas.