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TD.525 – TECHNICAL DATA: E100-PTG™ Cove Base Resin Gel

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Product Name: E100-PTG™ Cover Base Resin Gel

Product Description:
E100-PTG™ is 100% solids, thixotropic clear resin and may be used with the following part B hardeners: E100-PT1™ (standard or fast set), E100-VR1™, E100-UL7™ or E100-PT4™ at the same mix ratio of 2 parts A to 1 part B by volume. Cove Base Resin Gel was designed for use on vertical applications where sag resistance is required. Once mixed the viscosity drops and allows for high filler loading with silica sand or color quartz, after mixing the gel consistency returns making cove base applications simple and easy to apply and finish. This resin may be pigmented using color packs in the field.

USES:
Resin for cove base applications
Primer for vertical applications
Pick proof vertical grade sealants for prisons

FEATURES:
Clear and in colors (with color pack)
Almost odorless
Dries clear

Physical Properties

Property	Test Standard	Result
Mix Ratio:		2 to1 (2 parts A to 1 part B)
Gel Time:	ASTM C-881	15-30 minutes
Consistency		Thixotropic gel
Compressive Strength	ASTM D 695	14,500-19,000 psi
Tensile Strength	ASTM D 412	11,000-13,500 psi
Flexural Strength	ASTM D 790	16,000-18,500 psi
Viscosity Mixed @70°F (20°C)	ASTM D 2196	105,000 cps
Flame Spread/NFPA-101	ASTM E-84	Class A
Izod Impact (ft. lb./in. notch)	ASTM D 256	0.50
Bond Strength to Concrete	ACI-403	Concrete fails no bond loss
Elevated Temperature	MIL-D3134	No slip or flow
Salt Spray Resistance, 25% Solution	@90°F	No effect after 500 hours
Thermal Shock, 50 cycles of immersion in chilled & boiling water	MIL-F 52505	No cracking or loss of adhesion
Taber Abrasion resistance cs-17 wheel 1000gm load, 1000 cycles		24 -30 mg
Cure Time @ 73°F		4-12 hours
VOC Content		0.0 g/L
Shore D Hardness	ASTM D-2240	75-80
Water Absorption	ASTM D 570	0.03%

Mix Ratio
2 parts A to 1 Part B by volume

Cure Schedule: 73°F (23°C)
Pot Life: 15-30 minutes
Recoat: 4 - 10 hours
Full cure: 5 - 48 hours
Full chemical resistance 7 days

Limitations:
All substrates must be free of all contaminates including but not limited to grease, oils, sealers, unsound concrete and laitance. Substrate and air temperature must be Above 50°F-90°F (10-32°C)
DO NOT FREEZE

Preparation & Application:
All substrates must be sound and free of contaminates and laitance.