

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

Revised: 3/16/2023 Version: 1.4

Product Description:

E100-PTG™ Cove Base Resin Gel is a 100% solids, thixotropic clear resin designed for use on vertical applications where sag resistance is required. During the mixing process the viscosity drops and allows for high loading capacity with silica sand or color quartz. After mixing, the material returns to a gel consistency, making cove base applications easier to apply and finish. E100-PTG™ may be pigmented in the field, and can be used with the any E100-Series Part B hardeners depending on performance requirements. Contact your local Technical Representative for further details.

Typical Uses:

- Resin for cove base applications
- Primer for vertical applications

Key Features:

- Clear
- Nearly odorless
- FDA, USDA, and CFIA compliant

Physical Properties

<u>Property</u>	<u>Test Standard</u>	<u>Result</u>
Gel time	ASTM C881	15-30 minutes
Consistency		Thixotropic gel
Compressive strength	ASTM D695	14,500-19,000 psi
Tensile strength	ASTM D412	11,000-13,500 psi
Flexural strength	ASTM D790	16,000-18,500 psi
Viscosity mixed @ 70°F / 20°C	ASTM D2196	105,000 cps
Flame spread/NFPA-101	ASTM E84	Class A
Izod impact (ft. lb./in. notch)	ASTM D256	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 / 32°C	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
VOC content		0 g/L
Shore D hardness	ASTM D2240	75-80
Water absorption	ASTM D570	0.03%

Cure Schedule: Dependent on Part B used @ 73°F / 23°C

- Pot life: 15 - 30 minutes
- Recoat: 4 - 10 hours
- Full cure: 5 - 48 hours
- Full chemical resistance: 7 days

Mix Ratio: 2 parts A to 1 Part B by volume

Limitations:

- All substrates must be sound and free of laitance and contaminants, including but not limited to: grease, oils, and sealers.
- Substrate and air temperature should be between 50°F / 10°C to 90°F / 32°C for optimal application.
- Do not freeze.
- Shelf Life: 1 year in original unopened containers.