



WeatherALL Coatings Technologies™

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Scientific Chemical Laboratories, U.S.A.

TECHNICAL DATA SHEET

Product Name: ProFloor Epoxy

Product Description:

ProFloor Epoxy™ is a quick setting self-leveling professional grade flooring epoxy. Once fully cured it exhibits good chemical, moisture and UV resistance. This breathable film coating delivers excellent color stability, toughness and durability. The versatility of the system permits it to be used as a primer or as a final color or clear top-coat. Substrates include concrete, metal, steel, wood, fiberglass and masonry. As a tough exterior coating this material is used in many other applications except commercial flooring. Drying time to walk on is 1 hour depending on humidity and temperature. Normally a 2 coat application is all that is required to produce a durable flooring surface. Available versions are low temp & fast cure color basecoat and a slow clear topcoat. Full cure is achieved under normal conditions in 24 hours.

- Quick setting, production oriented easy to mix and apply system.
- Versatile material used as primer and/or final glossy topcoat, color basecoat and clear topcoat.
- Optional variations of reactivity for special projects.

Material Property Values and Application Requirements Table

Property	*Values relative to density	Test Method
Tensile Strength	8600 psi	ASTM D412
Flex Modulus	450k psi	ASTM D790
Abrasion Resistance	75 mg loss /1000 cycles	ASTM D4060 (CS-17)
Heat Deflection Temp.	150 F (63°C)	ASTM D648
Hardness Shore D	80	ASTM D785
Elongation	15 %	ASTM D412
Salt Spray	1000 h+, no damage	ASTM D714
Application: 90 psi pressure pot spray, low pressure 2K gear pump machine to mix and dispense, hand batch mix- dump, squeegee and backroll, brush detail areas.		
Typical Mixing Ratio 1A:1B pbv, For Slower and Flexible version 1A:2B. Power mix stir B-Side slowly until uniform color and viscosity prior to use, 8 hr. pot life when properly covered.		
Surface Preparation: clean, dry, no residual cleaner or other contaminates, approved surface type, installation ambient temp. 46F(8°C)- 104F(40°C), <60% ambient humidity, surface temp. 46F(8°C)- 90F(32°C).		
Tack Free Gel Time = 60 min. depending on ambient.		
Functional operation temperature: -40F(-40°C)- 120F(48°C)		
Coverage: wet film 10-12 mils per coat, 200 sqft. @ 0.012 mils/gal. Additional coats may be applied after first coat fully dry, best if >4-6 hours.		
See SDS for material safety data. Must wear eye goggles, respiratory protection, gloves, etc.		
KEEP MATERIAL FROM FREEZING, moisture-free temperature controlled storage 12°C- 32°C, 12 month shelf life if never opened.		
Packaging: Tote set 550 gal (4900 lbs), 100 gal Drum set (900 lbs), 10 gal Pail set (90 lbs)		

Please contact our Engineering and/or Technical Support Groups with any questions.

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