

**READ BEFORE USING THIS PRODUCT****GENERAL**

SC110 is a marine grade, 100% solids epoxy with UV protection additives that offer long term non-yellowing protection with non-blushing and non-chalking properties. SC110 adheres to wood, fiberglass, metal, stainless steel, concrete, stone, canvas, glass and virtually any surface with 13,500 psi strength. SC110 preserves the substrate with an ultra-clear, scratch resistant finish while remaining flexible enough to withstand vibration and expansion/contraction. SC110 is a specially formulated 2-component epoxy with a modified cycloaliphatic amine curative. SC110 combines a UV absorber coupled with a hindered amine light stabilizer which inhibits degradation of the epoxy from sunlight and protects the exterior with a glossy, glass-like finish that will endure heavy traffic and extreme conditions. SC110 bonds chemically and mechanically to the substrate and can be blended with dyes, silica, sands, wood flour, pebbles and other materials. SC110 forms a polished, highly durable, wear resistant surface and is unaffected by saltwater, fuel, oil, and mild acids while exhibiting long term corrosion proof and chemical resistance protection. SC110 is used for boat building, fiberglass fabricating, wood working, bar top finishing and many other applications.

COMPONENTS

SC110 is composed of a resin and hardener supplied in a 1, 3, 6, 12 or 15 gallon kits.

SC110 resin is a 100% solids no VOC, 2-component, self-leveling, primerless, low odor, non-blushing epoxy that provides a sufficient work life, rapid track free time and high adhesion to aggregates and pavements. Each kit includes both pre-proportioned resin (part A) and hardener (part B) which are mixed at 2 parts resin to 1 part hardener by volume. To use, the part B is added to the part A and then mixed immediately prior to use. VOC = 0 g/l. Following are properties and specifications for SC110:

SC110 PROPERTIES AT 77°F (25°C)

Properties	Typical	Test Method
Components	(A) Resin, (B) Hardener	
Mixed Density, lbs./gal. (kg/l)	9.2 (1.02)	
Mix Ratio, pbv (pbw)	2/1(100:45)	
Color	Clear	
Mixed Viscosity, cP 77°F	800	ASTM D2393 (D2196)
Work Time, minutes 100grams	60	ASTM C881
Peak Exotherm Temperature 100grams	136°F	
Application Temperature, °F (°C)		
Ideal	70-80 (21-27)	
Acceptable	50-95 (10-35)	
Coverage*, ft ² /gal @20mils	80	
Compressive Strength psi	13,500	ASTM D695
Tensile Strength, psi	7,503	ASTM D638
Elongation at Break, %	6	ASTM D638
Hardness, Shore D	78-85	ASTM D2240
Heat Resistance °F (°C)	190 (88)	
Adhesion Strength @ 24hrs psi to concrete	780	ASTM D4541
Flexural Strength psi	12,800	ASTM D790
Water Absorption @24hrs., %	<0.10	ASTM D570
Thermal Compatibility	Pass	ASTM C884
VOC g/l	0	

*Varies with surface porosity and texture.

APPLICATION

Application of SC110 is summarized as follows. The 2 components of the SC110 are mixed, and then uniformly applied at the desired thickness typically 20 mils to the cleaned and prepared surface. SC110 will soft gel in 3 hours at 20mils and cure in 12 hours at 77°F. Full cure time is 7 days at 77°F. Wear gloves. Work in a well-ventilated area. Refer to SDS.

CLEAN-UP

Use a mixture of MIBK and Butyl Acetate (50/50), Acetone or MEK for cleanup. Skin may be cleaned with denatured alcohol, preferably rubbing alcohol.

*Refer to the MSDS for further information.

*****Please call or email for direct pricing or bulk orders*****

Phone: (877) 701-0744 * Email: scott@epoxyking.com * Website: www.epoxyking.com