



READ BEFORE USING THIS PRODUCT

GENERAL

Clear Resin is a 100% solids epoxy with UV protection additives that offer long term non-yellowing protection with non-blushing and non-chalking properties. Clear Resin adheres to wood, metal, stone, canvas, glass and many other surfaces. Clear Resin preserves the substrate with an ultra-clear, scratch resistant finish. Clear Resin is a specially formulated 2-component epoxy resin system. Clear Resin bonds chemically and mechanically to the substrate and can be blended with dyes, silica, sands, wood flour, pebbles and other materials. Clear Resin contains no BPA, no VOCs, no fumes, no solvents, is non-flammable and non-hazardous, and offers unparalleled yellowing protection. Clear Resin is used for coating art pieces, jewelry making, wood working, resin art and many other applications. Clear Resin is Impervious to water, alcohol and most other chemicals.

COMPONENTS

Clear Resin is composed of a resin and hardener supplied in a 32oz, 64oz or 1 gallon kits.

Each Clear Resin kit includes both pre-proportioned resin (part A) and hardener (part B) which are mixed at 1 part 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 Clear Resin:

CLEAR RESIN PROPERTIES AT 77°F (25°C)

Properties		Typical	Test Method
Components		(A) Resin, (B) Hardener	
Mix Ratio, pbv (pbw)		1/1(100:84)	
1 gallon of Resin Weight:		9.46 lbs.	
1 gallon of Resin Specific Gravity:		1.13	
1 gallon of Hardener Weight:		8.06 lbs.	
1 gallon of Hardener Specific Gravity:		.97	
Color		Clear	
Resin Viscosity, cP 77°F		3500	ASTM D2393 (D2196)
Hardener Viscosity, cP 77°F		600	ASTM D2393 (D2196)
Mixed Viscosity, cP 77°F		2000	ASTM D2393 (D2196)
Work Time, minutes 100grams		40-60	ASTM C881
Application Temperature, °F (°C)			
Ideal		75-85 (24-30)	
Acceptable		60-90 (10-35)	
Coverage*, ft ² /oz		4 oz covers 1 sq ft	
Hard Cure Time		24 Hours	
Full Cure Time		72 Hours	
Tensile Strength, psi		8000	ASTM D638
Elongation at Break, %		7	ASTM D638
Hardness, Shore D		78	ASTM D2240
Heat Resistance °F (°C)		122 (50)	
Flexural Strength psi		15000	ASTM D790
VOC g/l		0	

*Varies with surface porosity and texture.

APPLICATION

Application of Clear Resin is summarized as follows. The 2 components of the Clear Resin are mixed, and then uniformly applied at the desired thickness to the cleaned and prepared surface. Clear Resin will soft gel in 3-5 hours and cure in 24 hours at 77°F. Full cure time is 72 hours 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*****

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