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♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦

EPOXY RESIN RBC #1077

RBC #1077 is a modified, low viscosity, UV stabilized resin with excellent clarity and air release properties. It is ideal for use as an industrial top coating in applications which require a tough semi-flexible coating. Superior air release properties eliminate the need for torching. This system offers a convenient 1:1 volumetric mix ratio.

HANDLING PROPERTIES:

Mixed Viscosity @ 25°C, cps 1500
Shelf Life, (closed Container @ 25°C) 1 year

PHYSICAL PROPERTIES (CURED):

Color, APHA <50
Specific Gravity @ 25°C 1.08
Hardness, Shore D 75
Linear Shrinkage, in./in. 0.003
Izod Impact Strength, ft. lbs./in. of notch 0.60
Tensile Strength @ 25°C, psi 7,800
Compressive Strength @ 25°C, psi 23,500

The above properties are typical of a system cured with Hardener #AB-88.

RECOMMENDED HARDENERS:

AB-88 A low viscosity, medium pot life, room temperature cure hardener with excellent air release.

MIXING INSTRUCTIONS: Pour the desired amount of # 1077 resin into a clean container and combine with recommended hardener in the ratio shown below:

<u>HARDENER</u>	<u>BY VOLUME</u>	<u>POT LIFE</u> <u>100 GRAMS @25°</u>
AB-88	1:1	45 MINUTES

RECOMMENDED CURE SCHEDULE:

<u>HARDENER</u>	<u>CURE @</u> <u>25°C (77°F)</u>	<u>CURE @</u> <u>35°C (95°F)</u>	<u>CURE @</u> <u>49°C (120°F)</u>	<u>CURE @</u> <u>65°C (150°F)</u>
AB-88	18-24 HOURS	6 HOURS	3 HOURS	1 HOUR