



# OXY-BOND 120-EX

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## PRODUCT DESCRIPTION

**OXY-BOND 120-EX** is a two-part epoxy adhesive offering outstanding shear tensile and peel adhesion. OXY-BOND 120-EX offers a 20 minute pot life and good hardness development within 1 hour of mixing. OXY-BOND 120-EX is a toughened epoxy exhibiting rugged chemical and environmental resistance and durability. OXY-BOND 120-EX is an excellent general-purpose adhesive providing exceptional bond strength to a wide variety of substrates, PVC, FRP, Polyacrylic, Steel, and many more.

## APPLICATIONS

OXY-BOND 120-EX is excellent for general-purpose high speed industrial assembly, electronic applications, component attachment to boards, housing assembly and potting.

## Physical Properties

Color:	Off White / Opaque
Operating Temperature Range, °C:	-60 to 110
Specific Gravity of Resin:	1.12
Specific Gravity of Hardener:	1.13
Hardness, Shore D:	75-85
Tensile Lap Shear, psi, 2 hr. 65°C:	>4,000
Dielectric Strength, Volts/Mil:	500

## Handling Characteristics

Mix Ratio by Volume,	
Resin to Hardener:	2 to 1
Viscosity of Resin @ 25°C:	65,000
Viscosity of Hardener @ 25°C:	7,000
Pot Life, Small Mass (15gr.):	20-30 minutes
Handling Strength, @ 75°F	1-2 hours
Cure Response Shore D @ 25°C:	
	After 2 Hr., 45-55
	After 24 Hr., 75-85
Cure Schedule @ 25°C:	48 hours
Cure Schedule @ 65°C:	2 hours

## Storage

Store below 25°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.

## Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

## Note

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