

Zepoxy 400 is an all-purpose, high strength, High chemical resistance epoxy adhesive/coating useful for materials such as metal, wood, ceramic, concrete, textile, glass, leather, etc.

TECHNICAL DATA

Property	Test Method	Result
Appearance Part A	Visual	Low viscosity, clear liquid
Appearance Part B	Visual	Low viscosity, light yellow liquid
Mix ratio (Part A: Part B)	Theoretical	100: 56
*Mix viscosity @ 25°C	ASTM D 2196	400 – 500 cPs
*Flash Point	ASTM D 93	>117°C
*Pot life (300g mix) @ 25°C	-	35 – 60 min
*Gel time @ 25°C (1mm thickness)	-	4 hours
*Hardening time	-	24 hours
*Full Cure	-	7 days
*Flexural Strength (MPa)	ASTM D 790	77.0
*Compressive Strength (MPa)	ASTM D 695	102.0

*Typical results under laboratory conditions.

NOTE:

It is a quick curing system so application should be planned accordingly.

MIXING

The mixing ratio must be accurately followed to achieve perfect results. It is not possible to change the ratio which would result in the epoxy not drying properly and lower mechanical properties. Pour the hardener first and then the resin. The mixed components should be thoroughly mixed for 3-4 minutes to ensure an even consistency. To avoid development of bubbles slowly mix for 5-10 mins. Once the epoxy is mixed and poured gently pass warm air from a heat gun or hair dryer on slowest speed setting, this will assist in removal of any bubbles generated during mixing.

PACKAGING

Zepoxy 400 is available as follows:

1.50 KG Set Part A: 1KG
 Part B: 500g

CHEMICAL RESISTANCE CHART:

Chemicals Solutions	Chemical Resistance
HCL (10%)	★★★
Sulphuric Acid (10%)	★★★
Acetic Acid (10%)	★★
Lactic Acid (20%)	★★
Formic Acid (20%)	NR
Phosphoric Acid (20%)	★★
Nitric Acid (30%)	★★
Caustic (20%)	★★★
Ammonia Solution (18%)	★★★
Hypochlorite (30%)	★★★
Hydrogen Peroxide (50%)	★★★
Ethanol	★
Methanol	★
IPA	★★★
MEK	★★
Xylene	★★★
Mineral Spirit	★★★

KEY
★ (Fair)
★★ (Good)
★★★ (Excellent)
NR (not Recommended)

HEALTH AND SAFETY

Dispose containers of the materials as per local laws, rules, and regulations. Use gloves, safety masks and other safety apparel as per health and safety laws. For further assistance, please refer to the MSDS of the product for further health and safety information