

Zepoxy 100Y is an all-purpose epoxy adhesive useful for bonding of materials such as metal, wood, ceramic, concrete, textile, glass, leather, etc. Its long pot life and non-corrosive nature combined with its high level of curing and hardness development even in low temperature, humid environments make this epoxy adhesive an extremely versatile material for a variety of applications. This system has the additional benefit of a light-colored hardener and a 2-year shelf life.

TECHNICAL DATA

Property	Test Method	Result
Appearance Part A	Visual	Medium viscosity, yellowish liquid
Appearance Part B	Visual	Medium viscosity, Dark Brownish to red liquid
Mix ratio (Part A: Part B)	Theoretical	100: 80
*Mix viscosity @ 25°C	ASTM D 2196	8000 – 15000 cPs
*Flash Point	ASTM D 93	>135°C
*Pot life (300g mix) @ 25°C	-	30 – 70 min
*Hardening time	-	24 hours
*Full Cure	-	7 days

*Typical results under laboratory conditions.

CURED SYSTEM PROPERTIES

Property	Test Method	Result	
		7 days	2h@80°C
*Flexural Strength	ASTM D 790	69 MPa	60 MPa
Compressive Strength - Ultimate	ASTM D 695	85 MPa	150 MPa

*Typical results under laboratory conditions.

NOTE

At 40°C gel time will be reduced to half, in case of increased temperatures, pouring should be planned accordingly.

PACKAGING

Zepoxy 100Y is available as follows:

Mini set	180g	Part A: 100g Part B: 80g
Half Set	900g	Part A: 500g Part B: 400g
Full Set	1.8 KG	Part A: 1 KG Part B: 800g
Commercial Pack	54 KG	Part A: 30 KG Part B: 24 KG

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.