

Zepoxy Clear Hardener is a modified cycloaliphatic polyamine curing agent characterized by low viscosity, clear transparent, and extended pot life. It is designed for use with liquid epoxy resins such as **Zepoxy RER 128 (DGEBA, EEW 190)** in the formulation of solvent-free, room-temperature curing coatings and flooring systems. The cured epoxy system develops excellent mechanical properties and high durability.

When properly formulated with epoxy resin, **Zepoxy Clear Hardener** produces smooth, glossy, bubble-free, and highly transparent surfaces. The cured system exhibits outstanding resistance to a wide range of chemicals, including acids, alkalis, hydrocarbons, and water. Due to its cycloaliphatic structure, it also offers superior weathering and UV resistance. Additionally, the product features low odor, reduced skin irritation potential, excellent clarity, and a very light color, making it suitable for decorative and high-performance applications.

APPLICATIONS

- ✓ Solvent-free, high solids coatings
- ✓ Self-leveling floorings
- ✓ Primers and screeds
- ✓ Transparent coatings
- ✓ Chemical resistant mortars and linings
- ✓ Electronic potting

TECHNICAL DATA

Property	Test Method	Result
Appearance	visual	Clear, colorless to slightly yellow liquid
*Color	ASTM D 1544-04	2 G max.
*Amine value	ASTM D 1652	280 - 310 mg KOH/g
*Viscosity @ 25°C	ASTM D 2196-05	150 - 500 cPs
Odor	-	Amine
*Density @ 25°C	ASTM D 1475-98	1.05 g/cc
*AHEW	-	100
*Mix ratio w/ RER 128	-	100: 50
*Pot life (300g mass) with Zepoxy RER 128	-	35m @ 30°C 23m @ 45°C
*Gel time (15g mass) with Zepoxy RER 128	-	4h 10m @ 25°C 2h 50m @ 30°C
*Flash Point	ASTM D 93	>117°C

*Typical results under laboratory conditions.

CURED SYSTEM PROPERTIES

Property	Test Method	RER 128 / Clear Hardener	RER 816 / Clear Hardener
		Mix ratio	
		100 / 50	100 / 50
*Flexural Strength	ASTM D 790	75 MPa	70.7 MPa
*Compressive Strength - Ultimate	ASTM D 695	82 MPa	78 MPa

*Typical results under laboratory conditions.

PACKAGING

Zepoxy Clear Hardener is available as follows:

1 KG, 5KG, 15KG, and 200KG

HEALTH & 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.