

Zepoxy REH 140 is a medium viscosity reactive polyamide with high imidazoline content used as a curing agent for liquid or solution grade epoxy resins such as **Zepoxy RER 128** or **Zepoxy RER 011 X 75** to produce room temperature curable adhesives and coatings. **Zepoxy REH 140** shows good curing behavior in thin film bond lines giving tough and high mechanical strength bonds as it has excellent compatibility with epoxy resins. It is specially used in solvent-based anti-corrosion coatings and shows compatibility with wide range of solvents normally used in epoxy-based coatings. The coatings based on **Zepoxy REH 140** are relatively more chemical resistant and lower in viscosity compared to **Zepoxy REH 125** and **Zepoxy REH 115** based coatings. It is due to these properties it finds use in various applications.

APPLICATIONS

- ✓ Metal and plastic adhesives
- ✓ Highway and bridge deck repairs
- ✓ Potting, casting, and encapsulation
- ✓ Synthetic flooring systems
- ✓ Maintenance coatings
- ✓ Tank and pipe linings

BENEFITS

- ✓ Good chemical and corrosion resistance
- ✓ Good water resistance
- ✓ Good pigment and substrate wetting
- ✓ Good adhesion

TECHNICAL DATA

Property	Test Method	Result
Appearance	visual	clear, yellow to brown liquid
*Color	ASTM D 1544-04	8 G max.
*Amine value	ASTM D 1652	370 - 410 mg KOH/g
*Viscosity @ 25°C	ASTM D 2196-05	8,000 – 12,000 cPs
Odor	-	Amine
*Density @ 25°C	ASTM D 1475-98	0.96 g/cc
*AHEW	-	119
Mix ratio with Zepoxy RER 128	-	100: 62
*Pot life (300g mass) with Zepoxy RER 128	-	35m @ 30°C
*Gel time (16g mass) with Zepoxy RER 128	-	1h 45m @ 30°C
*Flash Point	ASTM D 93	>135°C

*Typical results under laboratory conditions.

CURED SYSTEM PROPERTIES

Property	Test Method	Zepoxy RER 128 / Zepoxy REH 140 mix ratios		
		100/45	100/62	100/90
*Flexural Strength	ASTM D 790	89.3 MPa	86.8 MPa	86.3 MPa
*Compressive Strength - Yield	ASTM D 695	-	-	73.6 MPa
*Compressive Strength - Ultimate	ASTM D 695	84.4 MPa	86.2 MPa	92.1 MPa

*Typical results under laboratory conditions.

PACKAGING

Zepoxy REH 140 is available as follows:

1 KG, 5KG, 10KG, 25KG, and 200KG

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.