

Zepoxy REH 145 / 145M are medium viscosity reactive polyamides with high imidazoline content used as curing agents 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 145 / 145M** show good curing behavior in thin film bond lines giving tough and high mechanical strength bonds as they have excellent compatibility with epoxy resins. **Zepoxy REH 145** has a long pot life while **Zepoxy REH 145M** has a shorter pot life.

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

TECHNICAL DATA

Property	Test Method	Result	
		Zepoxy REH 145	Zepoxy REH 145M
Appearance	visual	clear, yellow to brown liquid	clear, yellow to brown liquid
*Color	ASTM D 1544-04	7 G max.	7 G max.
*Amine value	ASTM D 1652	320 - 340 mg KOH/g	320 - 340 mg KOH/g
*Viscosity @ 25°C	ASTM D 2196-05	8,000 – 12,000 cPs	8,000 – 12,000 cPs
Odor	-	Amine	Amine
*Density @ 25°C	ASTM D 1475-98	0.96 g/cc	0.96 g/cc
*AHEW	-	152	152
Mix ratio with Zepoxy RER 128	-	100 : 80	100 : 80
*Pot life (300g mass) with Zepoxy RER 128	-	43m @ 30°C	31m @ 30°C
*Gel time (18g mass) with Zepoxy RER 128	-	2h 45m @ 30°C 5h @ 20°C	1h 45m @ 30°C 3h @ 20°C
*Flash Point	ASTM D 93	>135°C	>135°C

*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.

PACKAGING

Zepoxy REH 145 / 145M are 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.