Zepoxy REH 953 U

Multipurpose Epoxy Adhesive System

RESSICHEM®
adding life and value to your property

Zepoxy RER 2011 **100 Parts by Weight**
Zepoxy REH 2011 **80 Parts by Weight**
Pot life at 25°C **100 minutes**

Zepoxy RER AW106 and **Zepoxy REH 953U** is a two-component epoxy adhesive system comprising of resin **Zepoxy RER AW106** and hardener **Zepoxy REH 953U**. The adhesive is moderately reactive and cures at temperatures between 20°C to 180°C without the release of volatile components. It provides excellent adhesion and is suitable for bonding a variety of substrates.

APPLICATIONS

The system is suitable for gluing FRP, wood, ceramic, glass, metallic components etc.

TYPICAL PROPERTIES

Zepoxy RER AW106

Property	Test Method	Unit	Specifications
Appearance	Visual	-	Creamy viscous liquid
*Color	ASTM D 1544	Gardner	2 max.
*Epoxy Equivalent Weight (EEW)	ASTM D 1652	gm/eq	200-230
*Viscosity @ 25°C	ASTM D 2196	cPs	30,000-55,000
*Specific Gravity @ 25°C	TEC-AS-P-004	-	1.15

***Typical results under laboratory conditions.**

Zepoxy REH 953U

Property	Test Method	Unit	Specifications
Appearance	Visual	-	Clear, yellow to brown viscous liquid
*Color	ASTM D 1544	Gardner	12 max.
*Amine Value	ASTM D 1652	mg KOH/g	300-350
*Viscosity @ 25°C	ASTM D 2196	cPs	30,000-55,000
*Specific Gravity @ 25°C	TEC-AS-P-004	-	0.95

***Typical results under laboratory conditions.**

MIX PROPERTIES

Mix ratio (Part A: Part B)	Theoretical	100: 80
*Mix viscosity @ 25°C	ASTM D 2196	30,000 – 55,000 cPs
*Flash Point	ASTM D 93	>135°C
*Pot life (300g mix) @ 30°C	-	30m @ 28^{0}C
*Gel time (18g mix) @ 30°C	-	2h @ 28^{0}C

***Typical results under laboratory conditions.**

TECHNICAL DATASHEET ZEPOXY REH 953U

ریسیکیم®
مضبوطی اور پائیداری کے لئے

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CURED SYSTEM PROPERTIES

Property	Test Method	Result
*Flexural Strength	ASTM D 790	66.9 MPa
*Compressive Strength – Yield	ASTM D 695	65.4 MPa
*Compressive Strength – Ultimate	ASTM D 695	116.2 MPa

***Typical results under laboratory conditions.**

GENERAL INFORMATION

Substrate preparation: The substrate of the substrate must be clean and dry. Remove all dirt, grease and foreign material by cleaning with suitable solvent, sand blasting, mechanical abrasion, or acid etching.

Mixing: To obtain good results, thorough mixing of the ingredients is essential. Usually, the resin and hardener are mixed in small quantities to extend the working time and prevent high exothermic reaction and pre-gelling.

Application: To ensure good adhesion between the substrates, it is recommended to apply rich layer of homogenous blend uniformly on the surface and fill the dents and pinholes. Adequate cuing normally takes place within 24 hours, post curing at temperatures more than 40°C is recommended.

CLEANING AND MAINTENANCE OF EQUIPMENT

Tools and equipment used during the process are best cleaned immediately after use since removal of cured resin is difficult and time consuming. It is recommended that the bulk of the resin be removed using a scrapper and the remainder washed away using solvents such as toluene, xylene, or acetone.

PACKAGING

Zepoxy RER AW106 & Zepoxy REH 953U are available as follows:

1 KG, 5KG, 15KG, 30KG, 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.

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