Zepoxy REH 460

Medium viscosity, Underwater curing agent.

RESSICHEM®
adding life and value to your property

Zepoxy REH 460 cycloaliphatic modified phenalkamine medium viscous, hardener is a next-generation epoxy curing agent designed for superior performance in challenging environments. It offers excellent chemical resistance, outstanding adhesion, and the ability to cure even under water or in highly humid conditions.

APPLICATIONS

- Marine, offshore structures
- Underwater Curing systems
- Industrial plants & Chemical tanks
- Old concrete to new concrete bonding
- Heavy duty protective coating

BENEFITS

- Excellent chemical resistance
- Underwater & high-humidity curing
- Excellent adhesion to substrates
- Excellent corrosion protection
- Good flexibility and impact resistance

TECHNICAL DATA

Property	Test Method	Result
Appearance	visual	clear, red to brown liquid
*Color	ASTM D 1544-04	15 G max
*Amine value	ASTM D 1652	220 - 240mg KOH/g
*Viscosity @ 25°C	ASTM D 2196-05	10000 – 20000 cps
Odor	-	Amine
*AHEW	-	160
Mix ratio with Zepoxy RER 128	-	100:80
*Gel time (300g mass) at 25°C	-	40-80 min
*Flash Point	-	>102°C

***Typical results under laboratory conditions.**

ریسیکیم®
مضبوطی اور پائیداری کے لئے

D-83, S.I.T.E., Industrial Area, Manghopir Road, Karachi - 75530, Pakistan
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www.ressichem.com

PACKAGING

Zepoxy REH 460 is 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.

CHEMICAL RESISTANCE CHART

Chemical Name	Concentration (%)	Exposure Duration	Resistance Rating	Remarks
Hydrochloric Acid	Pure	14 Days	Excellent	No change in hardness & weight
Phosphoric Acid	Pure	14 Days	Good to moderate	Surface slightly softened; negligible weight gain.
Phosphoric Acid	50%	14 Days	Good	Slightly change in hardness & weight
Phosphoric Acid	20%	14 Days	Excellent	No change in hardness & weight
Sulfuric Acid	Pure	14 Days	Poor	Complete loss of mechanical integrity.
Sulfuric Acid	50%	14 Days	Good to moderate	Surface slightly softened; negligible weight gain.
Sulfuric Acid	20%	14 Days	Excellent	No change in hardness & weight
Hydrogen Peroxide	Pure	14 Days	Excellent	No change in hardness & weight
Lactic Acid	Pure	14 Days	Poor	Complete loss of mechanical integrity.
Lactic Acid	50%	14 Days	Fair to Poor	Surface softened; weight increase due to swelling.
Lactic Acid	20%	14 Days	Good	Very slightly change in hardness & weight
Nitric Acid	Pure	14 Days	Poor	Complete loss of mechanical integrity.
Nitric Acid	20%	14 Days	Good	Slightly change in hardness & weight
Sodium Hydroxide	50%	14 Days	Excellent	No change in hardness & weight
Sodium Hypochlorite	35%	14 Days	Excellent	No change in hardness & weight
Acetic Acid	Pure	14 Days	Poor	Complete loss of mechanical integrity.
Acetic Acid	10%	14 Days	Fair to Poor	Surface softened; weight increase due to swelling.
Ammonia Solution	20%	14 Days	Excellent	No change in hardness & weight
IPA	Pure	14 Days	Excellent	No change in hardness & weight
Xylene	Pure	14 Days	Excellent	No change in hardness & weight
Mineral Spirit	Pure	14 Days	Excellent	No change in hardness & weight

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