Zepoxy REH 470

High viscosity, Cycloaliphatic curing agent

RESSICHEM®
adding life and value to your property

Zepoxy REH 470 is a modified cycloaliphatic, high-viscosity epoxy hardener developed as a next-generation curing agent for demanding applications. It delivers excellent chemical resistance, strong adhesion, and reliable curing performance.

APPLICATIONS

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

BENEFITS

- Excellent adhesion
- Good toughness and flexibility
- Good pigment and substrate wetting
- Low temperature and damp environment curing
- Good corrosion protection
- Good flexibility and impact resistance

TECHNICAL DATA

Property	Test Method	Result
Appearance	visual	Clear to yellow, transparent
*Color	ASTM D 1544-04	6 G max.
*Amine value	ASTM D 1652	200 - 250 mg KOH/g
*Viscosity @ 25°C	ASTM D 2196-05	150000 – 350000 cPs
Odor	-	Amine
*Density @ 25°C	ASTM D 1475-98	0.96 g/cc
*AHEW	-	180 g/eq
Mix ratio w/ RER 128	-	100:100
Gel time (300g mass) at 25°C	-	40 – 60 min
Flash Point	-	>102°C

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www.ressichem.com

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Property	Test Method	7 Days Strength
*Flexural Strength	ASTM D 790	40 MPa
*Compressive Strength - Yield	ASTM D 695	65 MPa
*Compressive Strength - Ultimate	ASTM D 695	70 MPa

***Typical results under laboratory conditions.**

PACKAGING

Zepoxy REH 470 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.

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CHEMICAL RESISTANCE CHART

Chemical Name	Concentration (%)	Exposure Duration	Resistance Rating	Remarks
Hydrochloric Acid	Pure	14 Days	Fair to Poor	Surface softened; weight increase due to swelling.
Phosphoric Acid	Pure	14 Days	Fair to Poor	Surface softened; weight increase due to swelling.
Phosphoric Acid	50%	14 Days	Fair to Poor	Surface softened; weight increase due to swelling.
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	Fair to Poor	Surface softened; weight increase due to swelling.
Sulfuric Acid	10%	14 Days	Excellent	No change in hardness & weight
Hydrogen Peroxide	30%	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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