

RepPoxy PJR Pile Jacket & Mass Pour Epoxy Mortar

DESCRIPTION:

RepPoxy PJR is a high-performance non-shrink, epoxy system for pile jacket, column encapsulation, supporting equipment requiring precision alignment, and high strength bulk pour projects. **RepPoxy PJR** is a three component, 100% solids, solvent-free system formulated to exhibit high early strength combined with the highest creep resistance at elevated temperatures.

USES:

- Pile Jack Repair
- Column Encapsulation
- Large or wide plates requiring precision grouting
- Machinery, equipment needing maximum support
- Rail grouting, keyways, and inverted baseplates
- Narrow clearance situations including anchor bolts
- Precision alignment of generators, and pumps

FEATURES:

- Positive effective bearing
- High early strengths, fast return to service
- User friendly placing characteristics
- Excellent bond, machinery to foundation
- High chemical resistance
- Adjustable flow for various conditions

TECHNICAL DATA:

RepPoxy PJR meets the current ASTM C881 and AASHTO M235 Types I, II, IV & V Grade 3, Class B & C specifications.

PACKAGING:

1 CF Kit: 2 gallons Side A Resin, 1 gallon Side B Hardener, 100 lbs aggregate (2 each 50 lbs. bags)

COLOR:

Clear

YIELD:

1 cu ft per kit

PREPARATION:

For aged concrete, surface must be free of dirt and all other foreign matter. Surface should be dry to permit maximum penetration.

MIXING:

For best results, mix each part thoroughly before use. Do not over agitate or use high speed mixing equipment.

Hand Mixer:

Mix 2 parts Side A Resin to 1 part Side B Hardener for 3 minutes using a “Jiffy” Mixer and a slow speed drill. Add Component C (aggregate) immediately after mixing Component A (resin) and Component B (hardener). Mix at slow speed (less than 850 rpm) to avoid air entrainment. Do not mix more material than can be used within the stated working time. At higher temperatures, you will have less working time.

Drum Mixer:

Pour mixed liquids into mortar mixer (stationary barrel with moving blades). While mixing, slowly add Component C (aggregate) and mix only until aggregate is completely wet. Add Component C (aggregate) immediately after mixing Component A (resin) and Component B (hardener). Working time is approximately 60 minutes (45 minutes High Flow) when temperatures are at 70°F (21°C).

APPLICATION:

Pour immediately after final mixing operations. Finish as required.

CLEANUP:

Tools and Equipment: Clean with **RepSolv-X**, Xylene, or other approved solvent. Cured material can only be removed mechanically.

STORAGE AND SHELF LIFE:

The material should be stored between 40–95°F (4–35°C) in a cool, dry area away from direct sunlight. The shelf life of properly stored unopened container is 12 months from the date of manufacture. An excessive temperature differential and/or high humidity can shorten the shelf-life expectancy. Protect from freezing.

PHYSICALS:

Compressive Strength, ASTM C 579 B*	
1 Day	2,000 psi (13.8 MPa)
7 Days	8,500 psi (58.6 MPa)
28 Days	9,500 psi (65.5 MPa)
Tensile Strength, ASTM C 307	
7 Days	2,000 psi (13.8 MPa)
Bond to Concrete, ASTM C 882	
7 Days	2,200 psi (15.2 MPa)
Linear Shrinkage, ASTM C 531	
	0.0%
Water Absorption, ASTM C 413	
	0.0%
Flexural Strength, ASTM C 580	
	3,000 psi (20.7 MPa)
Bond Strength to Steel, ASTM C 882	
	2,000 psi (13.8 MPa)
Working Time at 70°F (21°C)	
	90 minutes

LIMITATIONS:

Do not dilute. Wear protective gloves and goggles. Avoid pro-longed skin contact.

DO NOT place at temperatures below 40°F (5°C) unless special provisions are followed.

READ SDS PRIOR TO USING PRODUCT. KEEP OUT OF THE REACH OF CHILDREN.**WARRANTY:**

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either TuffTex Materials or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.