

Medium Viscosity General Purpose Adhesive

DESCRIPTION:

RepPoxy GPA Bonding Agent is a two-component, 100% solids, moisture-insensitive, medium viscosity, high strength, multi-purpose liquid epoxy adhesive.

FEATURES:

- Convenient 1:1 mix ratio by volume
- High strength, high modulus
- Non-sag gel consistency
- Easy dispensing
- Made in America
- Moisture tolerant
- Solvent free

USES:

Use to bond freshly mixed concrete to hardened concrete. Use as a binder in epoxy mortar. Can also be used as an anchoring adhesive or to fill voids and cracks in concrete.

TECHNICAL DATA:

RepPoxy GPA meets the current ASTM C881 and AASHTO M235, Types I, II, IV & V Grade 2, Classes B & C specifications.

PACKAGING:

- 1 gal (3.8 L) unit
- 2 gal (7.6 L) unit
- 10 gal (38 L) unit

STORAGE:

Store in a cool, dry area, 40°F-95°F (5°C-5°C), away from direct sunlight.

SHELF LIFE:

Shelf life of unopened containers stored in a dry facility is 24 months (2 years). Excessive temperature differential and/ or high humidity can shorten the shelf-life expectancy

PROPERTIES:

Mix Ratio by Volume	1:1
Viscosity	3,300 cps
Gel Time (60g)	45 minutes
Tack Free Time (73°F/23°C)	3-4 hours
Tensile Strength	7,500 psi (51.7 MPa)
Tensile Elongation	3%
Bond Strength	
2 Day	2,300 psi
14 Day	3,360 psi
Compressive Strength	
7 Day	10,400 psi
Compressive Modulus	
7 Day	406,400 psi
Shear Strength	5,500 psi (37.9 MPa)
Flexural Strength	6,000 psi (41.4 MPa)
Shrinkage on Cure	0.2%
Thermal Compatibility	Pass
Heat Deflection	122°F (50°C)
Absorption (24 hr.)	0.11%

SURFACE PREPARATION:

All surface contamination must be removed by mechanical means, creating a surface profile of exposed sound aggregate. Metal surfaces should be sandblasted to white metal finish and wiped clean with solvent

MIXING:

Precondition epoxy to 65°F-85°F (18°C-29°C). Pre-mix each component. Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600rpm). Scrape the sides and bottom of the container. To prepare an epoxy patching mortar, slowly add 2-3 parts of oven-dried

silica sand to 1 part of mixed epoxy by volume. Mix only until all aggregate is wetted out.

APPLICATION:

As a structural adhesive, and bonding fresh concrete to hardened concrete, neatly apply the **RepPoxy GPA** into the substrate with a brush, roller, or by spraying. **RepPoxy GPA** should be applied at the rate of 80 sqft/gallon or approximately 20 mils (508 microns) in thickness. While tacky, place the fresh concrete. If the **RepPoxy GPA** is no longer tacky, remove any surface dirt or contaminants and apply another coat of product.

DRY OR USE TIME:

Approximately 2 hours at 70°F (21°C) for recoating or light traffic. Wait 12 hours for heavy traffic. Dry time is temperature, humidity, and wind dependent.

LIMITATIONS:

Minimum substrate temperature is 40°F (5°C). Do not thin. Solvents will prevent proper cure. Hardened concrete shall have reached its design strength and be dimensionally stable.

CLEAN UP:

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with **RepSolv-X**, Xylene, or other approved solvent. Cured material can only be removed mechanically.

READ SDS PRIOR TO USING THIS PRODUCT.**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.