



TEXACRETE

Elastomeric Concrete

www.fptinfrastructure.com

TEXACRETE Elastomeric Concrete

Overview:

Texacrete is a three component polyurethane resin, it may be used as an 'unfilled' two part system for narrow gaps or 'filled' three part system (as standard) for wider gaps. Typical uses include parking decks and bridge joint transition strips and the filling of voids and joints in concrete, stone and granite elements. **Texacrete** is suitable for use on pedestrian or vehicular trafficked areas.

Texacrete is flexible, non-shrink and is tolerant to damp surfaces. It will provide high bond strength to a variety of materials including steel, art stone, natural stone and concrete, and has excellent adhesive quality even on non-porous surfaces such as granite and metal.

System Benefits:

- Excellent bond strength.
- Resistant to freeze-thaw, road salts & fuel oil.
- Hard Wearing with inbuilt flexibility.
- Extremely low modulus of elasticity in flexure.
- Durable and long lasting.
- Excellent adhesion to concrete, stone, asphalt and metal.
- Water resistant.
- Very long service life.

Surface Preparation:

All surfaces should be clean, dry and free from loose material. The edges of the repair area should be recessed at least 0.39", feather-edging is not recommended.

Mixing:

The entire contents of the hardener container should be added to the base container and thoroughly stirred using a slow speed drill fitted with a mixing paddle. The mixed resin components should then be transferred to a suitable container and the aggregate component added and thoroughly mixed.



Application Instructions:

Carefully place the mixed **Texacrete** between the joint and road surface/substrate taking care not to introduce air. Leave to settle and then top up to correct level. In trafficked areas top the surface (when necessary) with a light scatter of the appropriate grade of aggregate.

Curing:

Texacrete isn't recommended for installation below 40°F. However, the material is a fast setting material and should be ready for traffic within two hours of initial pour at or around 75°F.

Packaging:

Texacrete comes in a three part kit which when mixed properly yields 0.52ft³ of material.

Storage:

Texacrete should be stored at normal temperatures, away from food stuffs and out of the reach of children. In cold conditions warming the resin components prior to mixing will greatly assist the materials mixing and usage.

FPT Infrastructure

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FPT Infrastructure is a Division of Fibrecrete Preservation Technologies Inc

Rev. 5/11/2020

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Technical Properties of Texacrete:

| | A | B | A+B |
|--------------------|--------------|-----------------|-------|
| Color | Black | Brown | Black |
| Viscosity | 550 | 360 | |
| Wt./gal | 8.1 | 10.2 | |
| Mix Ratio | 2 parts | 1 part | |
| Cure Time | Gel @ 41°F | 8 to 12 minutes | |
| Initial Cure | 2 hrs @ 41°F | | |
| Compressive | 3000 min | ASTM C-579 | |
| Resilience | 98% +/-2 | ASTM C-579 | |
| Brittleness | 7ft/lb min | Ball Drop | |
| Bond | 450 psi | ASTM D-882 | |
| Shore D | 50 min | ASTM D-2240 | |
| Splitting Tensile | 650 min | ASTM D-3967 | |
| Binder Only | | | |
| Elongation | 150% min | ASTM D-638 | |
| Tensile, min | 2000 psi | ASTM D-638 | |
| Tear, min | 200 pli | ASTM D-624 | |

Warranty:

FPT Infrastructure warrants that **Texacrete** meets available specifications at time of shipment. Remedies against FPT Infrastructure are limited to replacing nonconforming product or refund of purchase price. No other warranties are expressed or implied.

Health & Safety:

Texacrete, like similar products is capable of irritating unprotected skin. We therefore recommend the use of a suitable barrier cream and that gloves be worn.

Limitations:

Do not apply below 41°F. A method statement is available detailing application requirements at low temperatures.

Technical Support:

Through our technical department we can offer a comprehensive service to specifiers and contractors. Technical representatives are available to provide further information and arrange demonstrations.

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Waterproofing Systems

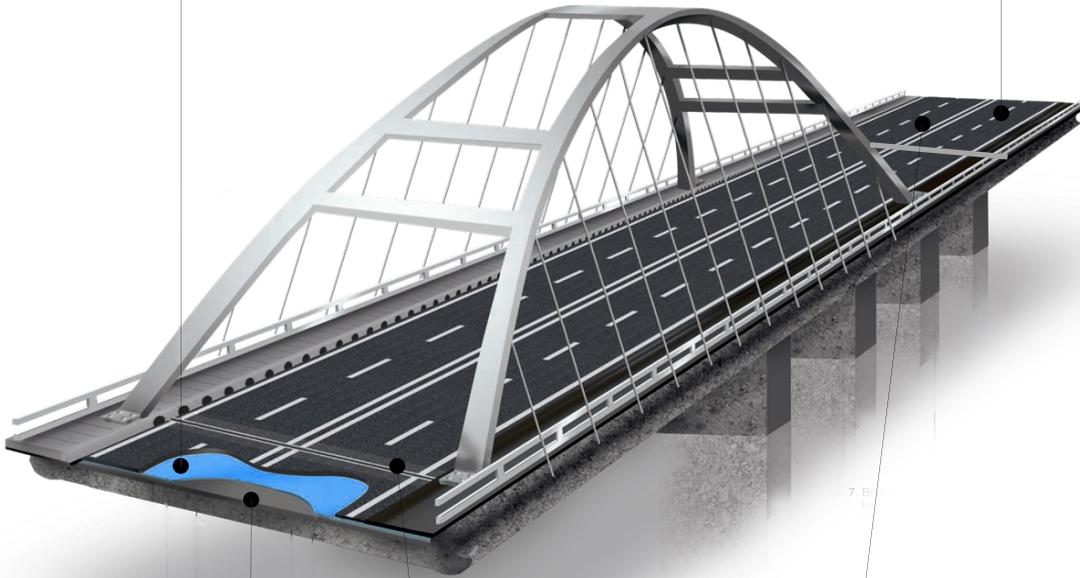


To increase the durability of reinforced concrete bridges, all concrete movement and construction joints, plus the bridge decks have to be waterproofed to prevent serious damage to the concrete, or to the embedded steel reinforcement.

Asphalt Repairs



Hot applied flexible repairs for asphalt pavement defects.



Concrete Repairs



Hot applied grey and black flexible repair mastics for concrete are used to repair spalls, potholes, broken joints, corner breaks and most other horizontal defects on concrete. They are easy to apply, open to traffic within hours of installation, and have a long life expectancy.

Expansion Joints



Bridge deck joints form an integral part of the road or structure. Joints reduce the impact of stresses caused by traffic that result in cracks and faults in the road surface.

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