Texacrete

Elastomeric Concrete

Product Description

Texacrete is a polyurethane, elastomeric concrete that is designed for use as an expansion joint header material. It may be used as an 'unfilled' two part system for narrow gaps or 'filled' three part system (as standard) for wider gaps. Texacrete is flexible, non-shrink and will provide high bond strength to a variety of materials including steel, art stone, natural stone and concrete. It has excellent adhesive quality even on non-porous surfaces such as granite and metal.

Basic Uses

Uses include parking deck and bridge joint transition strips and the filling of voids and joints in concrete, stone and granite elements. It is suitable for use on pedestrian or vehicular trafficked areas.

Features and Benefits

- Easy to mix.
- Resistant to UV, solvents and other chemicals.
- Flexible to withstand movement from freeze-thaw cycles.
- Fast setting and economical repair option.

Physical Properties*

Property	Test Method	Value
Color		Part A-Black; Part B-Brown; A+B-Black
Viscosity		Part A = 550; Part B = 360
Gel Time (@ 77 °F - 25 °C)		8-12 minutes
Initial Cure (@ 77 °F - 25 °C)		2 hours
Compressive Strength	ASTM C579	>3000 psi
Resilience	ASTM C579	98% +/-2
Brittleness	Ball Drop	7 ft/lb
Bond	ASTM D882	450 psi
Shore D Hardness	ASTM D2240	50
Splitting Tensile	ASTM D3967	650
BINDER ONLY		
Elongation	ASTM D638	150%
Tensile Strength	ASTM D638	2000 psi
Tear Strength	ASTM D624	200 pli

** The values shown are based on system testing under laboratory conditions. Different field application conditions or lab equipment configurations may result in system value variances.*

Packaging

- Texacrete Kit includes 1 gal pail Part A; 0.5 gal pail Part B, pre-measured aggregate
- Kit and aggregate yield: .52 cubic feet
- Texacrete Primer required: approximately 1 kit of Primer R per 6 kits of Texacrete
- Texacrete Bonder required for use with foam joint fill material

Installation

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. Apply a thin coat of Texacrete Primer and install Texacrete within two hours.

Mixing

The entire contents of the hardener (Part B) container should be added to the base (Part A) 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.

Installation - continued

Application

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. When used with foam expansion joints, Texacrete Bonder is required.

Curing

Texacrete is a fast-setting material and is generally ready for traffic within two hours of initial pour when ambient temperatures are near 75°F. Cooler temperatures may require additional cure time. Texacrete should not be installed when temperatures are below 40° F.

Health and Safety

See SDS for complete safety precautions prior to use. Use HSE-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. For professional use only.

Limitations/ Shelf Life

Two (2) years when stored in a dry place in original, closed packaging. Optimal storage temperature: 60 to 70 °F (15 to 20 °C).

Warranty

FPT Infrastructure warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, FPT Infrastructure makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to FPT Infrastructure Products. FPT Infrastructure's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of FPT Infrastructure Products proven to be defective, and FPT Infrastructure shall not be liable for any loss or damage.

Please refer to our website at fptinfrastructure.com for the most up-to-date Product Data Sheets.

NOTE: All FPT Infrastructure Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

A Division of Fibrecrete Preservation Technologies, Inc.
401 Old US 52 South, Mount Airy, NC 27030
336.789.7259 / info@fptinfrastructure.com