

# Fibrecrete

## G Concrete Repair Resin Compound

### Product Description

Fibrecrete G is a hot-applied, synthetic polymer-modified resin compound containing mineral fillers, chopped fibers, and graded aggregates. It is designed to replace traditional cementitious pavement repairs, which are prone to failure due to their stiffness. Fibrecrete G meets all requirements of ASTM D8260-20.

### Basic Uses

Fibrecrete G is a flexible repair for joints, large cracks, spalls, and pot holes in asphalt and concrete.

### Features and Benefits

- Load transferring repair with superior tensile strength and flexibility.
- Accommodates limited joint/crack movement due to thermal expansion and contraction, and vibratory movements.
- Resistant to water intrusion and broad range of salts, bases and organic materials.
- Long term repair solution for concrete structures.
- Cures at low temperatures.

### Physical Properties\*

Property	Test Method	Value
Color		Grey
Mastic Resilience	ASTM D8260	50% minimum
Effects of Rapid Deformation	ASTM D8260	No cracking, chipping, or separation, 8 N-m, -7 °C
Crack Bridging	ASTM D8260	3 cycles, -7 °C
Mastic Stability	ASTM D8260	40.0 mm maximum @ 70°C
Recommended Application Temperature		300 – 380 °F
Specific Gravity		1.8 – 2.0

\* 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

- 50 pound meltable bag

### 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.

### Installation

#### Site Preparation

The joint or crack shall be milled with an approved milling machine to the specified width and depth. The pot hole or spall shall be milled, saw cut and jack hammered, or cored and jack hammered to remove the defective areas. The repair surfaces are cleaned and dried with a hot air lance. The recessed area and vertical walls are treated with a primer agent to promote adhesion and prevent moisture intrusion (for concrete applications only).

#### Application

Application of the Fibrecrete G material shall be by factory trained and certified installation professionals.

Fibrecrete G material is heated in a thermostatically controlled, purpose-built mixer, having a horizontal agitator that ensures complete mixing. Once the material reaches approximately 300 to 320 °F (149 to 160 °C), pour molten Fibrecrete G into the prepared area, sealing the bottom of the repair from water intrusion.

If the depth of the repair exceeds one inch, the remainder of the repair process will consist of layering coarse, hot angular aggregate (cleaned and dried) at a rate of 25% - 55% by volume with the molten Fibrecrete G until within 3/4" of the top of the repair. The bulking aggregate must be worked into the patch completely. Depth limitations are 3/4" to full depth. NO DRY LAYERS OF BULKING AGGREGATE WILL BE ALLOWED.

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**Installation - continued**

The final 3/4" of the repair will be Fibrecrete G material for optimum flexibility of the repair. Once the top layer has been screeded to a level grade, a high PSV aggregate will be applied to the top of the repair to ensure proper skid resistance. Depending on the depth of the repair, Fibercrete G will be ready for traffic return between 30 and 60 minutes.

All removed materials and residual repair materials will be recovered and disposed of away from the site according to the client's specifications. All Federal, State and OSHA safety requirements must be followed during installation.

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**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).

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**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](http://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.