TECHNICAL DATA SHEET

I & I Guard®-SCF 200

BY QUADEX

FEATURES AND BENEFITS

- **100% solids formulation**
- **400% – 600% exansion is typical**
- **Contains non-corrosive properties and no solvents**
- **Outstanding flexural and adhesive properties**
- **Exceptional absorption properties, up to 12x its volume in water**
- **Can be applied under water**

GROUTING TECHNIQUES

- **Expanded Gasket Placement Technique (EGP)**
- **Variable Pressure Application Technique (V-PAT) – Crack Injection**

PHYSICAL PROPERTIES

UNCURED

Appearance/Color: Brown
Viscosity: 3,200 – 6,000 cP @ 77°F (25°C)
Flash Point: 253.4°F (123°C)
Specific Gravity: 1.090 @ 72°F (22°C) ± 3%
Density: 9.09 lbs. per gallon ± 3% (1.090 kg/L ± 3%)

CURED

Appearance/Color: Milky, flexible

RATIOS

Preferred ratio is 1:1 (water to resin), however no pre-mixing is required. Pumped as a single component and is effective at ratios up to 10:1 with water.

QUADEX® A VORTEX COMPANY REPAIR MATERIALS

Moisture Activated, Single Component, Hydrophilic, Polyurethane Foam Grout

DESCRIPTION

Quadex® I & I Guard®-SCF 200 is a single component, moisture-activated and MDI/TDI blended polyurethane injection grout designed for sealing persistent water leaks from large cracks or leaking joints in concrete structures. I & I Guard-SCF 200 reacts with moisture and can absorb as much as 12X its weight in water, transforming into an impermeable foam or gel with superb adhesive qualities. Foam requires a 1:1 water to resin ratio. Gel consistency requires a 10:1 water to resin ratio.

APPLICATION INFORMATION

- **For sealing of large cracks, voids or joints in concrete structures.**
- **Recommended for active, high-volume water flow.**
- **Well-suited for manhole sealing and pipe penetrations.**
- **Excellent choice to stabilize moving cracks and joints caused by freeze/thaw conditions and other forms of external pressure.**

SAFETY

Always use OSHA-approved personal protective equipment (PPE). Refer to the SDS for complete safety precautions. The SDS is available by request or via download at www.vortexcompanies.com

HOW IT WORKS

Quadex I & I Guard-SCF 200 can be applied via two techniques: EGP or V-PAT. The resin reacts to moisture to form a resilient, flexible seal accomplished by three mechanisms: the resin seeks out water in the space and adheres to the surface, then begins to expand forming a tight compressive seal, while the network of compressed grout material within all the cracks forms a mechanical lock.

VORTEX

WARRANTY

Quadex, LLC warrants its products to be free of defects in material and workmanship. Unless superseded by project specifications and terms agreed upon in writing between installer and Quadex prior to bid, if within one year from purchase, any Quadex, LLC product is proven defective, the company will replace said product or refund its purchase price at its sole discretion. The company's obligation shall be limited solely to such replacement or refund. There are no other warranties by Quadex, LLC, expressed or implied. There is no warranty if Quadex products are used contrary to Quadex, LLC's written directions.

PACKAGING

Product packaged by weight based on specific gravity.

- **Drum: Net Wt. 484 lbs. (220 kg)**
- **Pail: Net Wt. 44 lbs. (20 kg)**
- **Gallon: Net Wt. 8 lbs. (3.6 kg)**
- **Cartridge: ~10.114 fl. oz. (~ 300 ml)**

SHIPPING

- **Freight Class 55**
- **Qualifies as Non-hazardous**
- **Can be shipped via air**

CLEANING PRODUCTS

Industrial grade acetone removes moisture from equipment (see Performance section).

PERFORMANCE

Flush equipment with approved industrial grade acetone before and after use to remove moisture and clean equipment. For best results, use between 60°F – 90°F (16°C – 32°C). Performance will be influenced by site conditions. If site temperatures are low, use a heat source to warm to ~72°F (22°C) and apply. Do not use open flame as a heat source. At temperatures of 45°F (7°C), the viscosity of the product can significantly increase, making the miscibility with the reaction water more difficult.

STORAGE

Store in temperatures ranging from 45°F – 95°F (7°C – 35°C) in a dry environment. Container must remain tightly closed when not in use. Contents are packaged under dry nitrogen to keep moisture out and extend product shelf life.

Note: Storage of opened or partially used containers at the lower range of recommended storage temperatures is not advised. Any air moisture in head space above partially opened containers may condensate and will cause grout inside the container to gel prematurely.