SPETEC GT380

HYDROPHILIC POLYURETHANE GEL INJECTION RESIN

TECHNICAL DATA

Description

Spetec® GT380 is a hydrophilic, one-component flexible polyurethane injection resin for waterproofing.

Formerly Spetec PUR GT380.

Uses

- Shut off water leaks in concrete, brickwork and sewers where movement and settlement may occur
- Water cut-off of water leaks in foundations such as diaphragm walls, piling sheets and secant piles
- Sealing water-carrying cracks and joints in tunnel segments
- Curtain grouting behind tunnel, concrete, brickwork, sewer walls, and sheet piling
- Automatic sewer injections with packer systems
- Soil stabilization
- Injection of water cut-off membranes and liners in tunnels
- Sealing seawall joints
- Saturating dry oakum to create a flexible gasket for sealing pipe penetrations, joints and larger defects in concrete structures

Advantages

- Single-component
- No catalyst required
- Low viscosity
- Flexible for dynamic cracks and joints
- NSF/ANSI/CAN 61 Certified (approved for contact with drinking water)

SPETEC GT380 Physical Properties - Uncured		
Appearance	White liquid	—
Viscosity at 77°F (25°C)	315 cP (315 mPa·s)	ASTM D4878
Density at 77°F (25°C)	66.8 lbs/ft³ (1.07 kg/dm³)	ASTM D3505
Application temperature range	41-95°F (5-35°C)	—

Temperature	Time
41°F (5°C)	35 - 85 Seconds
59°F (15°C)	30 - 70 Seconds
77°F (25°C)	25 - 60 Seconds

Temperature	1:1 Ratio Gel Time	1:5 Ratio Gel Time	1:8 Ratio Gel Time
40°F (4.4°C)	2 min, 22 sec	1 min, 52 sec	1 min, 56 sec
50°F (10°C)	1 min, 42 sec	1 min, 21 sec	1 min, 31 sec
60°F (15.6°C)	1 min, 8 sec	55 sec	1 min, 9 sec
70°F (21.1°C)	58 sec	41 sec	59 sec
77°F (25°C)	48 sec	37 sec	43 sec

Storage and Shelf Life
Store between 50–80°F (10–26°C). Shelf life is 24 months in unopened containers stored within this temperature range.

Estimating Quantities
Consumption has to be assessed on site and is influenced by the amount of water leaking, thickness of the concrete.

Application and Safety Precautions
When applying Alchatek polyurethane systems, always wear appropriate personal protective equipment and avoid contact with eyes and skin. Review the Safety Data Sheet at Alchatek.com before use. The recommended application temperature range is 41-95°F (5-35°C). Excessive foam build-up in confined spaces can result in high internal temperatures and expansion pressures. In large void fills, stage injections and allow cooling time between lifts. For step-by-step procedures and typical project setups, see the Crack Injection application guide. For safety and application guidance, contact the Alchatek Technical team.

Supplier Details
Alchatek
4508 Bibb Blvd
Tucker, GA 30084
T: (404) 618-0438

Emergency Phone Numbers
Call CHEMTREC
Day or Night
1-800-424-9300
+1 703-527-3887

Limited Warranty
Alchatek warrants this product to be free from manufacturer's defects and to meet all published properties on current Technical Data Sheet for a period of one year if used according to published instructions and within the shelf life. The user is responsible for determining suitability for intended use and assumes all risk. No other warranties expressed or implied shall apply including any warranty of merchantability or fitness for a particular purpose. Purchaser's sole remedy is limited to the purchase price or product replacement exclusive of cost of labor or other materials.

Latest Information
Before each use read latest Technical Data Sheets, Safety Data Sheets, and instructions available at Alchatek.com. Nothing contained in any Alchatek materials or verbal instruction relieves the user of the obligation to read and follow all usage instructions and warnings for each product contained in the latest Technical Data Sheets and Safety Data Sheets. All information given by Alchatek about Alchatek products and procedures is given in good faith based on our current experience level and knowledge when materials are properly stored, handled, and applied. Jobsite conditions always vary, and for this reason Alchatek assumes no liability for the provision of such information or instructions. Neither shall any legal relationship be created by the provision of such information.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. READ MATERIAL SAFETY DATA SHEET PRIOR TO EVERY USE.

Properties will vary depending on application conditions.