



SPECTON CONSTRUCTION PRODUCTS LTD.

ELASTOGEL *GT1100*

WATER ACTIVATED MULTI PURPOSE GEL

TECHNICAL DATA

ELASTOGEL *GT1100*

A single component, hydrophilic polyurethane injection resin designed for sealing leaks through cracks, rock pockets, pipe penetrations, and precast joints in concrete structures.

When mixed with variable amounts of water, Elastogel *GT1100* yields end products varying in consistency from strong rubber-like foams to elastic-like gels containing up to 700% water.

Elastogel *GT1100*'s mid viscosity in combination with its hydrophilic properties permits the sealing of heavy inflows with minimal resin waste or wash out.

Elastogel *GT1100* was specifically formulated for sealing precast manhole joints as well as sanitary and storm sewer pipe joints using an inflatable packer system.

COMPOSITION / CHARACTERISTICS

SPECTON ELASTOGEL *GT1100* – Uncured Resin

Appearance		Yellow Liquid
Viscosity at 25°C	ASTMD-4878-98	800 cps ± 100
Density at 25°C	ASTMD-789-98	1.15
Flashpoint	ASTMD-1310-86	>150°C

RECOMMENDED FOR

Sealing active leaks in cracks, joints and pipe penetrations typically found in:

- Sanitary and Storm Sewer Pipe
- Precast and Brick Manholes
- Tie Back Anchors
- Underground Utilities and Municipal Services
- Waste Water Treatment Plants.

FEATURES / BENEFITS

Safe –

100% solids and harmless to the environment. Solvent free.

Adjustable Water-to-Resin Ratio –

Controlling the water-to-resin ratio on site allows the applicator to react to a variety of changing conditions.

Stable –

High resin-to-water ratio gels that are stable can be generated within seconds.

Chemically Resistant –

Excellent resistance to fungi, gases and chemicals typically found in soil and sewer effluent. Resistant against biological attack.

Proven Track Record –

Elastogel *GT1100* has been successfully used for over 10 years in North America and remains the product of choice by engineers, owners and specialty sewer restoration contractors.

Applicator Friendly –

No unpleasant odors, and Elastogel *GT1100* is easily injected using single or plural component injection equipment.

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MIXING AND HANDLING

- 1** Wear rubber gloves and safety glasses and/or a safety shield when mixing or handling the products. Familiarize yourself with the MSDS guidelines and information. Mix and install the materials in a well ventilated area.
- 2** Install or inject the resin mixture using a single component pump. To produce variable resin-to-water ratio gels, two single component pumps can be used in conjunction with Specton's Elastogel Mix Header.
- 3** Clean the injection pump with Specton Pump Flush as required.

APPLICATION

Contact a Specton Technical Representative to discuss methods of adjusting Elastogel's *GT1100* reaction times by using pails heaters and/or Flex *F1000* accelerator.

Refer to SPECTON's proven **SPEC-IT** (**SPEC**ton **I**njection **T**echnique) installation guidelines for crack injection, expansion joints and manhole repair.

STORAGE

Specton polyurethane resins and accelerators are moisture sensitive and should be stored in dry conditions at temperatures below 24°C (75°F). Do not allow the polyurethane resins and accelerators to freeze or to be stored in temperatures below 0°C (32°F).

SAFETY PRECAUTIONS

- **Avoid contact with skin or eyes.**
- **Familiarize yourself with the MSDS and follow safety precautions indicated.**
- **Mix and install the materials in a well ventilated area.**
- **In addition to conventional construction safety equipment, wear rubber gloves and a safety visor.**

PACKAGING

Specton ELASTOGEL *GT1100* Resin
– 20 Kg PAILS

All recommendations, data and statements contained within this document are based on tests we believe to be correct, but are not to be construed as a warranty either expressed or implied. The user shall rely on his or her own tests and information to determine the suitability of the product for the application and assumes all risk and liability resulting from his or her use of the product. The seller's and manufacturer's sole responsibility shall be to replace that portion of product that is proven to be defective. Neither the seller nor the manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from the use or inability to use the product.

PLEASE CONTACT US FOR ADVICE AND PRODUCT INFORMATION

Specton Technical Representatives are available to assist you with specific guidelines for your project and product requirements. We can be reached at:

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