

# KINGFIELD CONSTRUCTION PRODUCTS



## **GTR GEL**™ Single Component Polymer Rubber Gel

**Gel-Flex Composite Waterproofing System**

**Cold Trowel Applied, Non-Curing Polymer Rubber Gel  
Horizontal/Vertical/Blindside/Positive & Detailing**

### Description

**GTR Gel** is applied to the areas surrounding bored piles, H-piles, and others areas where extra reinforcement is required. This non-curing liquid type concrete reinforcing and repairing material is resistant to hydraulic pressure and various chemicals and is excellent in responding to structural movements due to its flexibility. **GTR Gel** may be used as a stand alone waterproofing system or in conjunction with **Turbo-Sheet GTR**, **Turbo-Seal Gel-Flex Systems**, and **Hydrogel Gel-Flex Systems** as a detailing aid and for smoothing out rough concrete substrates. **GTR Gel** has high flexibility and does not fully cure, forming a liquid rubber-like waterproofing layer.

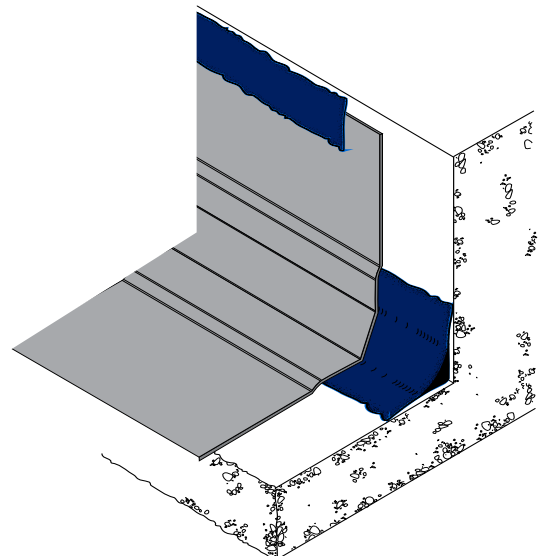
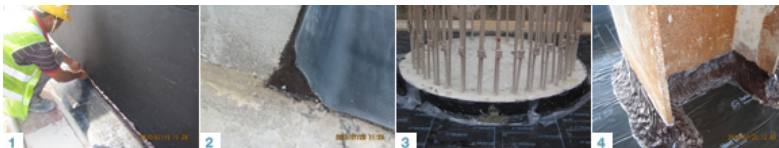
**GTR Gel** is ideal for waterproofing both concrete and masonry and may be used in both new construction and repair applications. Typical applications include foundation walls, tunnels, earth sheltered structures, and split slab construction, both above and below grade applications such as plaza areas and parking decks. Interior uses may include mechanical rooms, laboratories, kitchens, and bathrooms.

### Advantages

<u>Features</u>	<u>Benefits</u>
<b>Single Component, Liquid Applied</b>	Easy handling and storage, conforms to irregular profiles.
<b>Waterproof</b>	Resistant to water vapor and water pressure.
<b>Tough, Chemical Resistant Membrane</b>	Flexible and damage resistant.
<b>Monolithic Seamless Application</b>	Joint free membrane, no separation or debonding from substrate.
<b>Non-Curing</b>	No curing time shortens construction period, structural movement, self-healing, crack-bridging.
<b>Cold Applied</b>	Excellent adhesion to wet surfaces, no flame hazard.

**GTR Gel** is ideally suited for use with **Kingfield Gel-Flex Systems** as a:

- Fillet and reinforcement material at inside corners.
- Flashing material around drains, protrusions, curbs and parapets.
- Sealing material at terminations.
- Repair material for defects on concrete surfaces.
- Levelling agent for rough concrete decks in new and repair construction.
- Non-structural repair material for defects in concrete decks.
- Temporary waterproofing layer for multi-step application.



### Applications

Apply **GTR Gel** with a trowel or hand held squeegee to achieve a minimum thickness of 1.5mm. Apply to a minimum thickness of 2.5mm when used as a detailing aid with **Turbo-Sheet GTR** sheet membranes. **GTR Gel** needs to be allowed to cure for 24 hours before backfilling or flood testing.

### Installation

#### Substrate Preparation

Surfaces shall be dry and free from dust, dirt, grease, or other contaminants. Ambient temperature shall be a minimum of 25°F (-4°C). **GTR Gel** should preferably be applied prior to the installation of **Turbo-Sheet GTR** waterproofing membranes. **GTR Gel** may be used as a pointing surface sealer for sheet membranes. A minimum overlap of the **Turbo-Sheet GTR** sheet membrane of 2 inches (50mm) shall be provided. **GTR Gel** will adhere to clean, dry metal substrates.

### Specification

When used as a stand alone system, **GTR Gel** is applied in accordance with manufacturer's instructions to a minimum thickness requirement of 1.5 mm. Where detailed with **Turbo-Sheet GTR** sheet membranes, waterproofing integrity at penetrations, changes in direction, and substrate preparation shall be achieved with **GTR Gel** applied in accordance with the manufacturer's instructions.

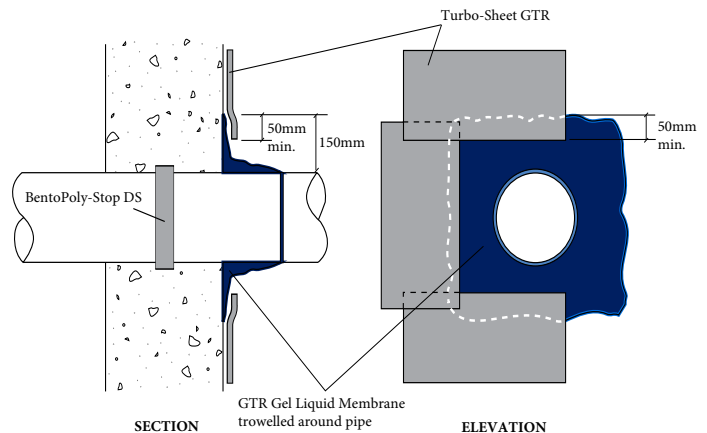
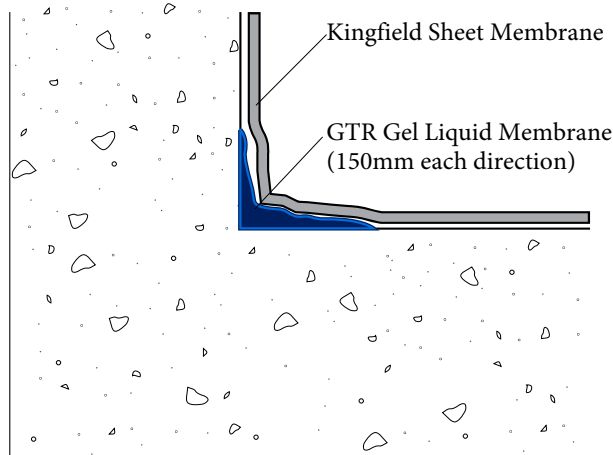
### GTR Gel

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### Yield

70 ft<sup>2</sup> (6.5 m<sup>2</sup>) per container

and dispose according to local industrial waste guidelines"



### KINGFIELD CONSTRUCTION PRODUCTS

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### TECHNICAL SUPPORT

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