

GEO-REFLEC

PRODUCT CUT SHEET

COMPLETELY
UNCOUPLE TWO
CONCRETE LAYERS



ADVANTAGES

Prevents crack reflection by uncoupling the layers

Has a drainage effect between the concrete layers

Economic solution compared to traditional method

Fast and easy installation; requires very little equipment

Geo-Reflec was developed for use as an interlayer bond breaker. Thanks to its physical and hydraulic properties, this product can prevent crack reflection while also allowing water to drain off. Its manufacturing process is such that it maintains its thickness and transmissivity even under severe constraints. Furthermore, Geo-Reflec is available in black and white to ensure better temperature control for the surface receiving the concrete.

GEO-REFLEC BETWEEN TWO CONCRETE LAYERS

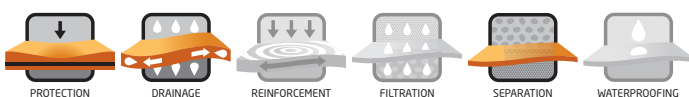


ONE PRODUCT, SEVERAL USES

Geo-Reflec simultaneously:

- **Separates:** Prevents joints or cracks from reflecting to the surface layer. Prevents bonding and accommodates the normal movements of the two concrete layers.
- **Drains:** Allows infiltrated water between layers to drain to the pavement edge. Present a degree of permeability that allows flow in three dimensions.
- **Bedding:** Provides a degree of cushion that reduces bearing stresses while providing adequate support stiffness.

FUNCTIONS



SECTORS

- ☐ Municipal and Landscape Architecture
- ☒ Roads and Transportation
- ☐ Natural Resources and Energy
- ☐ Industrial and Waste Management

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INSTALLATION REQUIRES LITTLE TRAINING AND EQUIPMENT.

Two installation methods are available. The first is an installation using aerosol adhesive and the second is done by fixing the geotextile with nails. Both methods are quick and easy to use.

For more details on installation methods, refer to our installation guide.

PURPOSE AND BENEFITS OF A GEOTEXTILE INTERLAYER BOND BREAKER

The use of a geotextile provides uniform, elastic support for the concrete slab, thereby reducing stresses due to temperature and moisture gradient. Geotextiles also reduce the need for pumping processes and prevent origination of reflected cracks from bonded base course without notching.

This technology was developed more than 25 years ago in Germany, and boasts several economic and environmental benefits compared with the traditional method where a layer of asphalt concrete is used as a bond breaker. The main benefits associated with using the geotextile solution are:

- Much lower material cost
- Does not require a team or specialized equipment
- Less installation time and lower complexity
- Significant monetary and environmental savings on shipping
- Equal performance for reducing crack reflection
- Drainage effect



NEED TO KNOW MORE?

Call our representatives
to discover the advantages
of the **Geo-Reflec**
for your projects!

1-800-463-8929

SPEC SHEET



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SPECIFICATIONS				
Description	GEO-REFLEC			
Product type	Nonwoven, needlepunched geotextile			
Format	Roll			
GEO-REFLEC, properties which make a difference				
Measured properties		Test method	Unit	Interpretation
Physical	Thickness under load	ASTM D5199	mm	Indicates the capacity to maintain thickness under pressure constraints.
Mechanical	Wide width tensile strength	ASTM D4595	kN/m	Indicates the ability to absorb stresses in tension.
Hydraulic	Water permeability under load	ASTM D 4491	m/sec	Indicates the capacity to allow water to flow in the normal direction of the geotextile.
	Water transmissivity under load	ASTM D 6574	m/sec	Indicates the ability to let the water flow in the geotextile plane.

This table presents a summary of specifications. We invite you to consult updated information sheets and detailed technical specifications on our website at www.texel.ca.

**1300, 2^e rue, Parc industriel
Sainte-Marie-de-Beauce (Québec)
G6E 1G8 CANADA**

Texel
■ GEOSYNTHETICS