

# PRODUCT CUT SHEET



# TEXEL GEO-REFLEC

COMPLETELY UNCOUPLE TWO CONCRETE LAYERS

## + ADVANTAGES:

Prevents crack reflection by uncoupling the layers;

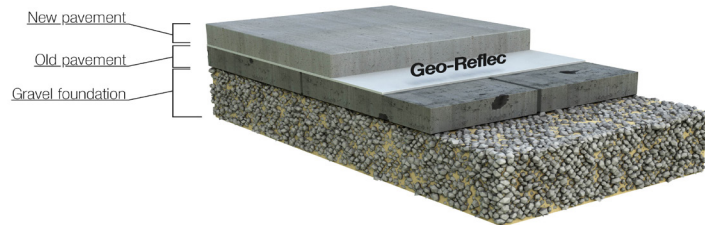
Has a drainage effect between the concrete layers;

Economic solution compared to traditional method;

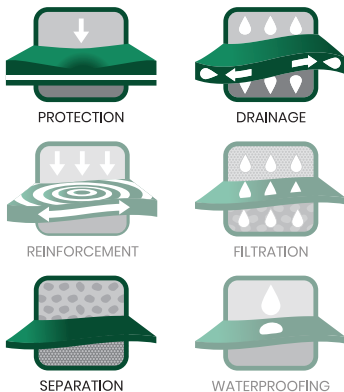
Fast and easy installation; requires very little equipment.



Texel 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, Texel Geo-Reflec is available in black and white to ensure better temperature control for the surface receiving the concrete.



## FUNCTIONS



TEXEL GEO-REFLEC BETWEEN TWO CONCRETE LAYERS

## ONE PRODUCT, SEVERAL USES:

Texel 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.

## SECTORS

- ✓ Roads and Transportation

# TEXEL GEO-REFLEC



## 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;

SPECIFICATIONS	Description	Type of product	Format
	Texel Geo-Reflec	Nonwoven, needlepunched geotextile	Roll

## TEXEL GEO-REFLEC, PROPERTIES WHICH MAKE A DIFFERENCE

Properties Measured	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 D4491	m/sec	Indicates the capacity to allow water to flow in the normal direction of the geotextile.
	Water transmissivity under load	ASTM D6574	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](http://www.texel.ca).

### NEED TO KNOW MORE?

Call our representatives for your projects! 1 800 463-8929 | [texel.ca](http://texel.ca)

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