

TEXEL TEX-CURE

GEOTEXTILE DESIGNED TO INCREASE THE CURING QUALITY OF CONCRETE

ADVANTAGES:

A geotextile that ensures protection against moisture loss during curing;

A white geotextile with a better heat reflection coefficient;

Simple installation compared with techniques involving liquid materials.

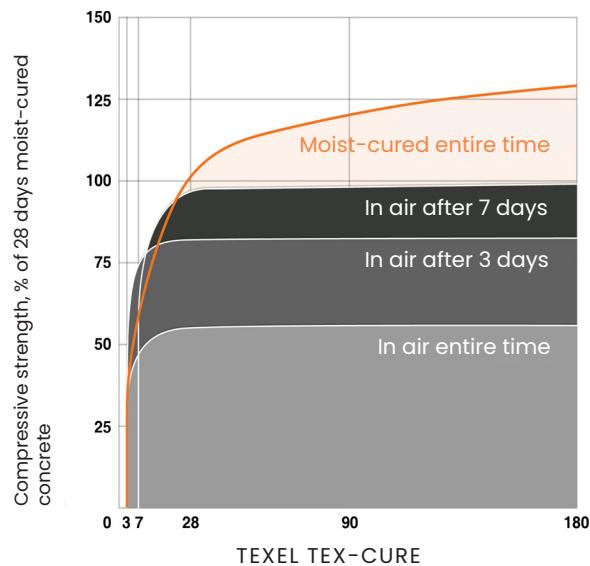


THE PROBLEM

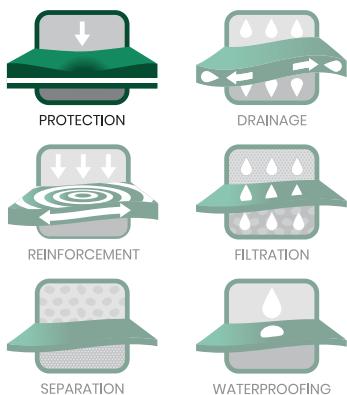


THE SOLUTION

Texel Tex-Cure was designed to improve curing for horizontal concrete surfaces. The use of Texel Tex-Cure soaked in water to cover structures during the curing stage provides protection against moisture loss. The structure surface will have a more resistant and less porous surface, thereby heightening performance when impacted by water, de-icing salts, and freeze-thaw cycles.



FUNCTIONS



SECTORS

- ✓ Municipal and Landscape Architecture
- ✓ Roads and Transportation

A SOLUTION FOR HUMIDITY CONTROL

The Texel Tex-Cure geotextile is spread over the freshly concreted surface to serve as an absorbent canvas. It ensures a curing period that complies with the most stringent conditions for optimal hardening:

- Ensures that hydration is maintained during curing;
- Controls evaporation and limits the sun's effects on concrete;
- Provides protection during curing.

TEXEL TEX-CURE

Texel[®]



TEXEL TEX-CURE MEETS REQUIREMENTS OF STANDARD 3501 OF THE MINISTÈRE DES TRANSPORTS DU QUÉBEC.

Extract from the Ministère des Transports du Québec Standard 3501:

The synthetic fiber tarp is composed of non-woven needled polyester or polypropylene. It must have a minimum surface density of 300 g/m² and be white in color. The absorbing tarp must have a width of at least 1 m. It must not contain substances which could be damaging to concrete.

TEXEL TEX-CURE, A SOLUTION FOR A BETTER CONTROLLED CURING

Weather conditions affect the speed of drying and water loss of concrete once it is laid. Laboratory tests have shown that concrete cured in conditions which are too dry can lose up to 50 % of its resistance to compression. It is thus necessary to maintain controlled temperature and humidity conditions throughout the curing period.

A well controlled cure allows concrete to develop the required properties such as durability, tightness, resistance to compression and wear, volumetric stability, resistance to freezing-thawing and to de-icing salt.

The use of an absorbent tarp respects the recommendations of concrete manufacturers regarding curing of concrete, whether it is for the basic cure, an additional cure or a prolonged one.

To be efficient, absorbent tarp must continuously be maintained humid during the curing period in order to avoid absorbing water from the concrete. A polypropylene film can be used to cover the tarp in order to reduce the amount of watering and can also be when sustained watering to keep concrete cool is optional.

SPECIFICATIONS	Description	Type of product	Format
	Texel Tex-Cure	Nonwoven needled geotextile	Roll

TEXEL TEX-CURE, PROPERTIES WHICH MAKE A DIFFERENCE

Properties Measured	Test Method	Unit	Interpretation
Mechanical	Surface density	ASTM D5261	g/m ² Measurement of the material's density that serves to assess its absorption capacity.
	Color	-	- The white color of Texel Tex-Cure helps to reduce the effects of the sun and heat on concrete.

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

WANT TO LEARN MORE?

Feel free to contact one of our representatives to discuss your project. **1 800 463-8929 | texel.ca**

485 rue des Erables, Saint-Elzéar (Québec) G0S 2J1

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