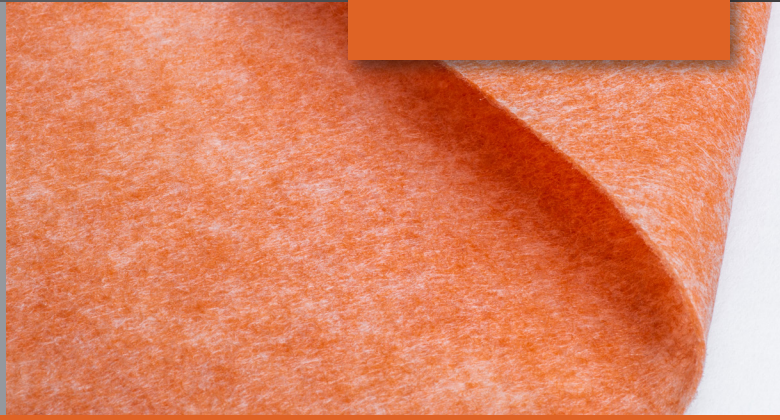


TEXEL C ORANGE SERIES

PRODUCT CUT SHEET

THE WARNING COLOR FOR GEOTEXTILE IN CIVIL ENGINEERING



ADVANTAGES

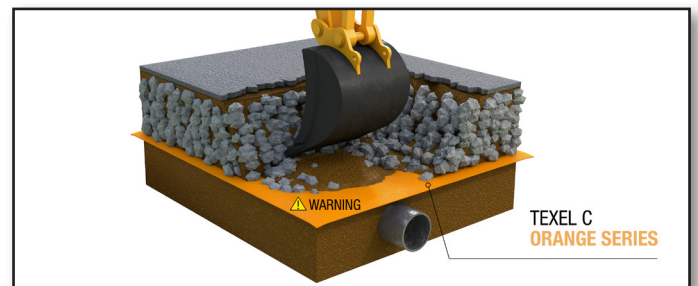
Provides an **effective visual barrier**.

Allows **safe excavation** in the presence of cables, pipes or contaminants.

Helps **reduce the risk of accidents**.

A series **designed to maximise warning/performance/cost ratio**.

The Texel C Orange Series carries the same good technical products as the Texel C Series with a bright orange color to give a signal and prevent further excavation below the orange geotextile. The Texel C Orange Series brings together versatile geotextile products through their mechanical, hydraulic and physical properties and optimizes the soil separation, filtration and warning functions. These geotextiles are available in stock in a wide range of grades and formats. They can be used in many situations, such as the construction of streets, roads, parking lots, shoreline, embankment stabilisation, etc. The Texel C Orange Series is recognised for its quality and reliability.



A SOLUTION FOR IMPROVING THE SECURITY, QUALITY AND DURABILITY OF YOUR PROJECTS:

- Increases safety thanks to the orange color and their controlled mechanical and hydraulic properties
- Reduces costs associated with fill materials and their installation
- Increases the operational life of your projects
- Provides solutions in difficult geotechnical design situations
- Guarantees more consistent results and better quality control than natural materials
- Remains inert in their contact with chemical and biological agents naturally found in soils and are highly resistant to UV rays

FUNCTIONS



SECTORS

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

**NAME IT.
WE'LL DO IT.**



INSTALLATION METHOD FOR GEOTEXTILES:

- Level the field and remove rocks, roots and other debris that can puncture the geotextile
- Unroll the geotextile on the ground and overlap according to standards
- Backfill the aggregates on the geotextile without circulating on the fabric, maintaining at least 300 mm of fill
- A factory or on-site seam can replace the longitudinal and transverse overlaps required
- Spread the fill and compact until the specified thickness and rate is achieved
- For curves, overlap with respect to the installation specifications

TEXEL C ORANGE SERIES, A VERSATILE SOLUTION

Nonwoven geotextiles from the C Orange Series are permeable technical textiles made from synthetic fibers used in civil engineering, environmental and landscape architecture projects to separate, filter, improve drainage, reinforce and distribute loads on the ground more effectively. They are permanent and not sensitive to acids occurring naturally in soils. This gives them an operational life beyond that of the projects they protect.

MAIN FUNCTIONS OF TEXEL C ORANGE SERIES GEOTEXTILES:

- **Security:** The orange color of the geotextile is specially chosen as a warning signal to excavation operators to indicate that there are electrical wires, gas pipes, or other contaminants under the geotextile.
- **Separation:** Separate two materials with different particle sizes to prevent contamination that could accelerate the degradation of the project.
- **Filtration:** Allow the passage of a liquid from one soil or material to another while preventing the uncontrolled passage of particles.
- **Drainage:** Collect, canalise, and displace liquids, which allows liquids to be distanced from structures, thus protecting the structure, because the presence of liquids is one of the principal causes of structural degradation.
- **Reinforcement:** Allow to increase the bearing capacity of soil by increasing the shear strength and the ability to take a part of the load.
- **Protection:** Create a protective layer that reduces pressure points, eliminating or reducing the risk of potential damage to another layer.

SPECIFICATIONS

Description	Texel: 031C OR, 040C OR, 044C OR, 045C OR, 060C OR, 080C OR, 100C OR
Composition	Orange needle-punched nonwoven geotextile
Format	Roll

TEXEL C ORANGE SERIES, Specifications that make a difference

Measured Properties		Test Method	Unit	Interpretation
Mechanical	Tensile Strength	ASTM D4632	N (lbs)	Indicates the geotextile's capacity to absorb tension before reaching its breaking point.
	Elongation	ASTM D4632	%	Quantifies the elongation that the product can accept before breaking.
	CBR Puncture	ASTM D6241	N (lbs)	Quantifies the product's capacity to resist to perforation from aggregates pressed against the geotextile.
Hydraulic	Apparent Opening Size	ASTM D4751	mm (US sieve)	Indicates the size of soil particles that can pass through the geotextile in static conditions.



NEED TO KNOW MORE?

Call our representatives to discover the advantages of the **Texel C Orange Series** for your projects!

1-800-463-8929

www.texel.ca

IMPORTANT NOTICE - The information included in this document is presented for status and promotion purposes only. Therefore, all the characteristics of the project have not been mentioned. Texel and his partners do not offer any guarantee in regard to the previous information.

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