

C SERIES

THE CIVIL ENGINEERING INDUSTRY'S REFERENCE FOR GEOTEXTILES

⊕ ADVANTAGES:

The most versatile selection of geotextile products;

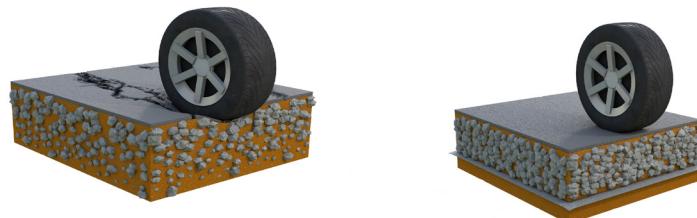
A series designed to maximise the performance / cost ratio;

Available in many formats in stock;

Several certifications available on demand.



The C Series brings together versatile geotextile products which, through their mechanical and hydraulic properties, optimizes the soil separation and filtration 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 C Series is recognised for its quality and reliability.



FUNCTIONS



PROTECTION



DRAINAGE



REINFORCEMENT



FILTRATION



SEPARATION



WATERPROOFING

WITHOUT GEOTEXTILE

WITH GEOTEXTILE

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

- Reduces costs associated with fill materials and their installation;
- Improves the mechanical and hydraulic performance of soils;
- 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 possesses a good resistance to UV rays.

SECTORS

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



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.

C SERIES, A VERSATILE SOLUTION

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

MAIN FUNCTIONS OF C SERIES GEOTEXTILES :

- **Separation:** Separate two materials having different particle sizes in order 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. This 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	Type of product	Format
	TEXEL : 031C, 035C, 038C, 040C, 045C, 055C, 060C, 070C, 080C, 100C, 120C, 160C	Needlepunched nonwoven geotextile	Roll

C SERIES, SPECIFICATIONS THAT MAKE A DIFFERENCE

Properties Measured		Test Method	Unit	Interpretation
Mechanical	Tensile Strength	ASTM D4632	N	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	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.

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.

WANT TO LEARN MORE?

Feel free to contact one of our representatives to discuss your project. 1800 463-8929 | texel.ca

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