

Climate Declaration

Woven Geotextiles

Functional unit: 1m² geotextile

Type: cradle-to-grave

Description of the Organisation

Beaulieu Technical Textiles (BTT) is a globally represented and established manufacturer of woven technical fabrics. Combining a pioneering spirit and a hands-on mentality, the products are engineered to deliver sustainable, durable and best-in-class solutions, designed to respond to current demands and future trends.

Product Description

Woven geotextiles, produced by Beaulieu Technical Textiles, are used in a variety of civil engineering applications such as roads, railways, airports, bridges, tunnels and landfill. The main function of a woven geotextile is to separate two different soil types and prevent both from mixing and interfering with each other. Next to this, woven geotextiles pass

water efficiently and prevent destabilization of the soil by internal flows. This product can also guarantee the stability of structures by providing additional strength to carry the required loads and improve the mechanical performance of a soil mass.

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The information below shows the total global warming potential (GWP) in kilograms of carbon dioxide equivalent (kg CO₂ eq.) per m² geotextile including packaging material from cradle-to-grave (upstream – own production – downstream). It is based on the third-party verified results from a lifecycle assessment (LCA) for an Environmental Product Declaration (EPD) following the ISO 14025 standard requirements. Click [here](#) to see the full EPD.

Total Global Warming Potential (kg CO₂ eq./m²)



	Terralys LF 17/17 92 g/m ²	Terralys LF 17/17 C1 167 g/m ²	Terralys GCL BL35 110 g/m ²	TerrabARRIER BL365 C3 365 g/m ²
Total	0,37	0,65	0,43	1,40
Upstream	0,17	0,33	0,20	0,72
Own production	0,02	0,02	0,02	0,05
Downstream	0,18	0,30	0,21	0,63

This single-issue EPD only addresses one environmental impact category and does not assess other potential social, economic, and environmental impacts arising from the provision of this product. These aspects may be of equal or greater importance than the single impact category displayed. For the full report, please see the Environmental Product Declaration document.