

Terratex PLA Bio-Based Fabrics

Bio-based fabrics are a major breakthrough in the ongoing quest for environmentally sound material choices in the interiors industry. Marketed under the brand name Ingeo, these fabrics are woven from 100% PLA (polylactic acid) yarns to create panel fabrics with a wool like look and hand. PLA is a brand new, from the ground up development, the first NEW fiber classification in over 50 years.

HOW IT'S MADE....

Bio-based fibers are derived from **starch-based agricultural products** such as corn, rice and beets.

The starch portion of these crops are converted into sugar and fermented to produce lactic acid, which is then processed and polymerized to form **polylactic acid**.

PLA polymers are then spun into fiber – marketed under the brand name **Ingeo** fibers.

WHAT ARE THE ADVANTAGES?

Bio-based textiles are manufactured using materials that are **renewable** – anything they take away from the environment can be put back in.

In contrast to polyester fiber production, there is **no antimony** (a heavy metal) in the production of PLA

PLA uses **20-50% fewer fossil fuel resources** than traditional hydrocarbon resins – meaning fewer greenhouse gas emissions

PLA fabrics are **completely biodegradable** back into lactic acid at the end of their useful life, under the right moisture and heat conditions.