



Managing Director Thomas Wildberger presents the newly installed textile machine that produces the sustainable nets from beechwood cellulose. Image provided by Lindner Suisse

Lindner improves sustainability credentials with new cellulose thread

12 July 2023

Wattwil - Lindner Suisse, based in the canton of St.Gallen, is to start using cellulose fibers instead of jute threads to produce erosion control fabrics. It will use traditional weaving craft techniques from the textiles industry to process the new material.

Lindner Suisse is to start using carrier mesh made of cellulose fibers to produce its Howolis wood wool fleece. According to a press release, the new carrier material will make Lindner's portfolio of wood wool products even more sustainable. A finely woven mesh forms the basis for the natural erosion protection, which is processed into protective fleece for use in green spaces and hydraulic engineering. Several different product variants are available for a wide range of applications. For example, the material can be strengthened for hydraulic engineering purposes.

Lindner, a geotextiles manufacturer from the St.GallenBodenseeArea, says its portfolio of proven wood wool products for slope and bank reinforcement now includes a product that is “more sustainable overall and completely environmentally friendly”. The company also says its in-house woven meshes are reviving the long-held traditions of the local textiles industry.

The carrier meshes are made with biodegradable cellulose fibers from European beechwood. Lindner Suisse produces the threads using a traditional weaving technique to obtain the required flexible nets. The press release states that retired workers from the textiles industry helped to teach this technique.

The thread is more sustainable than the previously used jute threads: although jute is also biodegradable, it scores lower in the sustainability stakes because of the long transport miles. As Managing Director Thomas Wildberger explains in the press release, the wood wool fleece will “raise production processes to a new environmental level”. Lindner is also seeking to become independent from overseas markets. The jute threads will remain available on request for the time being. ce/heg