

## Natural Fibers Reinforcements for Composites

Natural, renewable and local raw materials

BÜFA Composites offers solutions with its sustainable product range. Our goal is to significantly reduce the environmental footprint by continuously expanding our range of innovative and sustainable products. We strive to offer products that meet the new requirements of our customers in terms of lightness, reduction of environmental impact, recyclability and implementation.

We present a selection of FLAXfiber products from the EcoTechnilin range. These products impress, for example for their vibration absorption capabilities, noise-reducing properties, special reinforcement capabilities, recyclability, etc.

Our Expert for FLAX-Fibers:





FIBRIMAT



FIBRILIGHT



FLAXDRY



FLAXTAPE



FLAXPREG-T-UD

**FIBRIMAT & FIBRILIGHT** - Thanks to their good drapability and deformability, the mats of the Fibrimat range adapt perfectly to complex designs and shapes in infusion or RTM processing processes. 100 % short flax fiber non-woven, is used to reinforce composites or create thickness. This non-woven can be used alone or in combination with other reinforcements. FibrilLight is a lightweight mat consolidated through an exclusive EcoTechnilin's process optimised for a finishing layer, it is designed for the manufacturing of low environmental footprint parts.

Product name	Item no.	Characteristics
FIBRIMAT-F300	024-3015	1000 mm width, MAT 300 g/m <sup>2</sup> , 20 m <sup>2</sup> /roll
FIBRIMAT-F450	024-3016	1000 mm width, MAT 450 g/m <sup>2</sup> , 15 m <sup>2</sup> /roll
FIBRILIGHT-H100	024-3026	480 mm width, MAT 100 g/m <sup>2</sup> , 96 m <sup>2</sup> /roll
FIBRILIGHT-H150	024-3027	480 mm width, MAT 150 g/m <sup>2</sup> , 96 m <sup>2</sup> /roll

**FLAXDRY** - The FlaxDry range is a range of fabrics designed to be used in the manufacture of composites for hand lay-up, infusion, RTM. This range of flax reinforcements has been developed to primarily improve the vibration absorption qualities, mechanical properties, weight reduction and aesthetics of composite parts.

Product name	Item no.	Characteristics
FLAXDRY-BL550	024-3018	1000 mm width, Fabric Twill 550 g/m <sup>2</sup> , 30 m <sup>2</sup> /roll
FLAXDRY-BL200	024-3021	1000 mm width, Fabric Twill 200 g/m <sup>2</sup> , 30 m <sup>2</sup> /roll
FLAXDRY-BL360	024-3022	1000 mm width, Fabric Twill 360 g/m <sup>2</sup> , 30 m <sup>2</sup> /roll
FLAXDRY-UD180	024-3017	1000 mm width, Fabric Twill 180 g/m <sup>2</sup> , 30 m <sup>2</sup> /roll

**FLAXTAPE** - The FlaxTape™ is a unidirectional veil of flax fiber. The FlaxTape™ maximizes the mechanical performance of the fiber and allows lightening and / or aesthetics for many applications. For wet/hand lay-up, infusion and RTM processing methods.

Product name	Item no.	Characteristics
FLAXTAPE-200	024-3014	1270 mm width, UD-Tape 200 g/m <sup>2</sup> , 76 m <sup>2</sup> /roll
FLAXTAPE-100	024-3019	1270 mm width, UD-Tape 100 g/m <sup>2</sup> , 114 m <sup>2</sup> /roll
FLAXTAPE-300	024-3023	1270 mm width, UD-Tape 300 g/m <sup>2</sup> , 51 m <sup>2</sup> /roll
FLAXTAPE-300	024-3024	600 mm width, UD-Tape 300 g/m <sup>2</sup> , 24 m <sup>2</sup> /roll
FLAXTAPE-100	024-3025	600 mm width, UD-Tape 100 g/m <sup>2</sup> , 54 m <sup>2</sup> /roll
FLAXTAPE-200	024-3028	600 mm width, UD-Tape 200 g/m <sup>2</sup> , 36 m <sup>2</sup> /roll

**FLAXPREG-T-UD** is a range of pre-impregnated materials based on a thermosetting resin system and unidirectional flax fiber reinforcements (FlaxTape™). FlaxPreg T-UD prepregs can be used in combination with glass or carbon prepreg to optimize the strength, comfort and mechanical and vibration-proof performance of composite parts. Associated transformation method (s): hot compression molding, vacuum bagging, autoclave molding, fiber placement (AFP)

Product name	Item no.	Characteristics
FLAXPREG-T-UD-100	024-3029	600 mm width, UD-Prepreg 200 g/m <sup>2</sup> , 54 m <sup>2</sup> /roll



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