

Technical specifics of the production of different non-wovens made from hemp fibres

BIOFORMTEX

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Fibre raw material selection

- During the processing of hemp fibres into needed area-measured materials, unwanted problems with the consistency of the fibre raw material can arise.
- Fibre retting
- Shive content and shive size
- Fibre fineness
- Humidity and dust

Processing technology

- The raw fibres delivered in the form of bales are opened, dedusted and shortened as the case may be. The fibre flakes produced during the separation process come to pass the mixing and laying belts and are fed to the aerodynamic lapper afterwards. After its formation, the non-woven is mechanically needled. The needled felt then is tailored, tested and taken out of the system in the form of rolls or mats.

Specifics

- The adjustment of all technical parameters is carried out depending on the fibre raw material and the specifications desired by the customer.
- In case of high shive contents in the fibres, the unrestricted applicability of the raw material has to be checked. As the case may be, one has to influence the separation process before the non-woven formation, and also the choice of needle type or stitch density.
- Extreme dryness or humidity in the fibres or ambient air can influence the non-woven formation process.



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Dämmfilze aus Hanffasern für Decke, Wand & Boden



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