CelluWoodFlex

The Binding Alternative for Woodfibre Insulation Mats

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The Product

- Lightweight wood fibre insulation material
- Flexible mats
- Use case: Insulation between rafters
- Wood based buildung material
- Reusable and recyclable







The Benefits

- Excellent heat protection in summer
- Humidity control
- Acoustic insulation
- Eco-friendly building material
- No use of petrol-based binding fibres

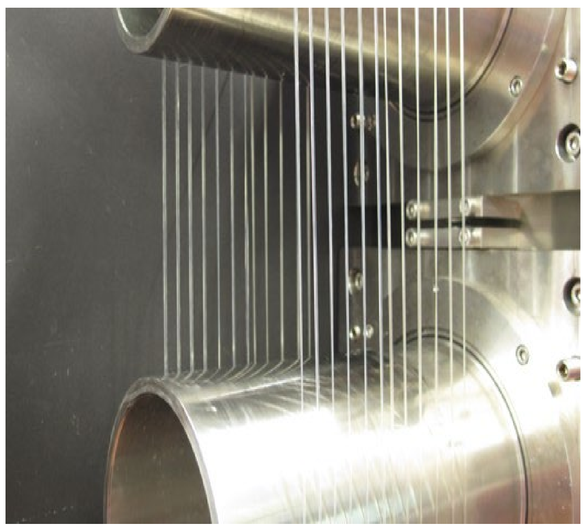
The Solution

Combining Cellulose-Ester Fibres and Wood in One Sustainable Recyclable Insulation Product

The Process

- Moisture reduction through granule drying
- Continuous filament formation via melt spinning
- Filament drawing and take-up winding
- Staple fibre cutting

The Binding Fibres





The Process

- Chipping of wood logs
- Thermomechanical defibration of wood chips into fibres (TMP-Process)
- Drying of wood fibres
- Mixing with binding fibres to an even distribution

Wood Fibres

The Feedstock



Cellulose-Ester Granules

Of several origins

with different properties



Forest as centre of feedstock supply



Wood Logs

Softwood (Spruce or Pine) from forest „Dresdner Heide“

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