

# Technical data sheet

Version: May 2021

## THERMO STEP HEMP



**HEMPFLAX®**  
Building Solutions GmbH

Description	THERMO STEP HEMP	
European Technical Approval	No requirement, regulated according to BR list C	
Components	100 % hemp fibres , no binding material	
Thickness	3, 5, 10 mm ± 10 %	
Total mass per unit area	630 g/m <sup>2</sup> to 1550 g/m <sup>2</sup> ± 10 %	
Bulk density	155 to 210 kg/m <sup>3</sup>	
Specific thermal capacity c	2300 J/(kg·K)	
Water vapour diffusion resistance coefficient $\mu$ EN 12086	1 bis 2	
Fire behaviour <small>EN ISO 11925-2</small>	B2, Class E	<small>EN ISO 13501-1</small>
Max. processing temperature [°C]	160 °C	
Thickness reduction with a static load of 1600 N/m <sup>2</sup> (1,6 kg/dm <sup>2</sup> )	3 mm material thickness: 8 % to 20 % 5 mm material thickness: 6 % to 18 % 10 mm material thickness: 5 % to 15 %	
Delivery form	Rolls	
Measures	<u>Hemp Felt Strips:</u> 3 mm x 100 mm x 25 m 5 mm x 100 mm x 25 m 10 mm x 100 mm x 15 m	<u>Hemp Felts:</u> 3 mm x 1000 mm x 25 m 5 mm x 1000 mm x 25 m 10 mm x 1000 mm x 15 m

### Description:

- Hemp fibre fleece with the European Technical Approval
- Available as hemp felts or hemp felt strips
- Mechanically needled hemp fibres, without any binding materials

### Characteristics:

- Dense fleece
- Good sound insulation properties
- Simple processing with scissors, knife or any popular electric cutting tools
- Suitable for DIY
- No nutrient base for rodents and insects

### Fields of Application:

- Sound insulation fleece for flat sound decoupling or in strips
- Flat sound decoupling under filling finishes of the ceiling
- Flat sound decoupling under parquet or finished floor
- Sound decoupling in strips of sleepers against the bare ceiling
- Sound decoupling in strips of sleepers against flooring
- Sound decoupling in strips of light partition walls or drywalls in metal or wood studded construction against other building materials
- Sealing strips in block house construction

### General information:

- THERMO STEP HEMP is to be stored and processed in dry conditions