

## Technical Sheet . Woolfelt 5 mm

Wool felt is made of the natural raw material wool. After the wool is cleaned it becomes willowed, which means that the sheeps' hair is brought into the right production direction. These thin wool fleeces become felted by using steam and pressure. This procedure generates a tight and elastic connection of the hairs. Finally the felt becomes wauled which determines density, thickness, length and width.

Woolfelt as an renewable resource may vary in its properties. In spite of all our care during the very complicated manufacturing process, it is possible that the felt may contain remnants of vegetable fibres and seeds as well as natural and production-related irregularities may occur, which are due to the natural raw wool such as crinkles, rubbed or narrow parts. Those are not faults, but it signs the genuineness of the material.

Woolfelt is elastic, breathable, light-resistant, abrasion-resistant, shape-retaining, insulating against heat and cold as well as sound-absorbing and ameliorates a rooms air.

thicknesses	<b>5 mm . 3 mm . 2 mm</b>		
colours	colour chart incl. 46 colours		
thickness	5 mm	3 mm	2 mm
length of roll	approx. 20 m	approx. 20 m	approx. 20 m
width of roll	approx. 180-185 cm	approx. 180-185 cm	approx. 180 cm
weight	approx. 1,50 kg/m <sup>2</sup>	approx. 0,90 kg/m <sup>2</sup>	approx. 0,45 kg/m <sup>2</sup>
density	0,30		
thickness and weight tolerances	acc. to DIN 61200 und 61206		
long-term temperature resistance	70°C		
short term temperature resistance	90°C		
light-resistance	3-5 / depending on colour		
abrasion-resistance	4-5 / impropberly with chair rollers		
protection of the felt surface	natural wool fat		
environmental behaviour	biological completely degradable		
certification of material	Ökotex-Standard 100, Woolmark		
protection against water and dirt	chemical fitting possible / min. approx. 45 lm		
flame resistance	chemical fitting possible / min. approx. 45 lm Classification B-s2, d0 acc. to EN 13501-1		
country of origin	EEC/Germany		