

# ACOUSTIC UNDERLAY FELT & PERIMETER STRIPS

Product data sheet



ACOUSTIC UNDERLAY FELT

1



ACOUSTIC PERIMETER STRIPS

2



## Item number

Thickness: 9 mm = S0900090BR24, Thickness: 18 mm = S1800180BR24  
Strips: S1001000BR24

## Density

100 kg/m<sup>3</sup>

## Raw material

100% wool sustainable, durable, recyclable, without synthetic additives

## Application

Interior room air renovation: Suspended (acoustic-)ceiling, sound proof ceiling, Floor: Sound insulation, Wooden Construction



## PRODUCT DESCRIPTION

- **Sound absorber** as support for **horizontal** and **inclined surfaces**.
- Footfall sound felt for full-area installation or as a strip for **sound insulation** between the underfloor and the construction.
- As an edge strip for floor screed.
- Natural mottled yurt felt for the side wall and roof.



## WOOL PROTECTION

- **IONIC PROTECT®** biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure.
- Is a slight alteration of the molecular protein structure of the wool fibre through a **plasma-ion treatment**. This specific process is unique as it permanently prevents the wool from being a nutritional source for wool parasites.
- Through the wool protection, our products have an **unlimited shelf-life**.



## INSTALLATION

- Full-area installation of the sound felt and fixation through lateral stapling.

## PROPERTIES



Sheep wool insulation



Air purification



Humidity regulation



Sound insulation  
Fire protection



Sustainable



Wool protection

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## FORM OF DELIVERY

### DIMENSIONS ACOUSTIC UNDERLAY FELT\*

**Width:** 250 – 2.300 mm in 50 mm increments (250, 300, 350, 400 mm,...)

1	Article	kg/m <sup>3</sup>	Thickness (mm)	Width (mm)	Lengths (mm)	Item/PU	m <sup>2</sup> /PU	PU/Pal	m <sup>2</sup> /Pal
	S0900090	100	9	1.000	10.000	1	10,00	25	250,00
	S1800180	100	18	1.000	5.000	1	5,00	25	125,00

\*Special size at thickness 9 mm from 120 m<sup>2</sup> available, at thickness 18 mm from 60 m<sup>2</sup> available.

### DIMENSIONS ACOUSTIC PERIMETER STRIPS\*\*

**Width:** 30 – 990 mm in 10 mm increments (30, 40, 50, 60 mm,...)

2	Article	kg/m <sup>3</sup>	Thickness (mm)	Width (mm)	Lengths (mm)	Item/PU	lm/PU	PU/Pal	m <sup>2</sup> /Pal
	TF010	100	9	100	10.000	9	90,00	25	2.250,00

\*\*Special width from 550 lm in strips to 10 lm available.



## TECHNICAL DATA

Nature Plus®	0103-1006-099-1
Vapour diffusion resistance factor $\mu$	1
Specific heat capacity c	1760 J/kgK
Length-related flow resistance according to EN 29053	r = 29,5 kPa s/m <sup>2</sup>
Fire behaviour according to EN 13501-1	C-s2, d0; CH: RF2
Assessed degree of sound absorption D. 50 mm according to ÖNORM EN ISO 11654	$\alpha_w = 0,30$ (H)
Mould growth intensity according to EN ISO 846	0
Dynamic stiffness as per ÖNORM EN 29052-1	62,1 MN/m <sup>3</sup>



## ECOLOGICAL PARAMETERS

Compliant with the NaturePlus® Life cycle assessment **ISOLENA**

Use of non-renewable <b>primary energy</b> without the non-renewable primary energy carriers used as raw material ( <b>PENRE [MJ, lower calorific value]</b> )	23,44	MJ/kg
<b>Global warming potential</b> Total of GHG emissions and CO <sub>2</sub> storage ( <b>GWP 100 total</b> )	0,83	kg CO <sub>2</sub> -äquiv./kg
<b>Acidification</b> potential of soil and water (AP)	4,63E-03	kg SO <sub>2</sub> -äquiv./kg
<b>Potential</b> for the formation of tropospheric ozone ( <b>POCP</b> )	8,04E-04	kg C <sub>2</sub> H <sub>4</sub> -äquiv./kg
<b>Eutrophication potential (EP)</b>	2,08E-03	kg PO <sub>4</sub> <sup>3-</sup> -äquiv./kg

