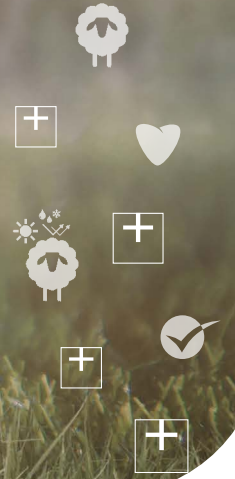


BLOCK

Product data sheet



Item number
Density
Raw material
Application

BLO01400BR24
14 kg/m³
100% wool sustainable, durable, recyclable, without synthetic additives
Storey ceiling, tie-beam-roof, Floor – insulated horizontally from above,
Wooden construction



PRODUCT DESCRIPTION

- Homogeneous, non-stressable sheep's wool fleece for thermal and sound insulation.
- Insulation from above for e.g. horizontal hollow spaces.



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

- Roll up the insulation rolls in between the wooden tier of beams.
- The rolls can be cut to length by **tearing by hand** or with the **ISOLENA** cutting device.

PROPERTIES



Sheep wool
insulation



Air purification



Humidity
regulation



Sound insulation
Fire protection



Sustainable



Wool protection

BLOCK

Product data sheet



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FORM OF DELIVERY

DIMENSIONS*

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

Thickness: 30 – 160 mm in 10 mm increments (30, 40, 50, 60 mm,...)

Article	kg/m ³	Thickness (mm)	Width (mm)	Lengths (mm)	Item/PU	m ² /PU	PU/Pal	m ² /Pal
BLO14	14	50	600	9.000	2	10,80	22	237,60
BLO14	14	60	600	9.000	2	10,80	18	194,40
BLO14	14	80	600	6.000	2	7,20	20	144,00
BLO14	14	100	600	6.000	2	7,20	16	115,20
BLO14	14	120	600	6.000	2	7,20	13	93,60
BLO14	14	140	600	3.000	2	3,60	23	82,80
BLO14	14	140	1.200	3.000	1	3,60	23	82,80
BLO14	14	160	600	3.000	2	3,60	20	72,00
BLO14	14	160	1.200	3.000	1	3,60	20	72,00

*Special sizes available from a minimum quantity of 5,86 m³ at no extra charge.



TECHNICAL DATA

European technical approval	ETA-07/0214							
Nature Plus®	0103-1006-099-1							
Thermal conductivity λ_{tr}	0,042 W/mK							
Vapour diffusion resistance factor μ	1							
Specific heat capacity c	1760 J/kgK							
Length-related flow resistance according to EN 29053	$r = 0,9 \text{ kPa s/m}^2$							
Fire behaviour according to EN 13501-1	E-s1, d0; CH: RF3							
Degree of sound absorption with a thickness of 50 mm according to ISO 354	f [Hz]	125	250	500	1.000	1.250	2.000	4.000
	α_s	0,27	0,39	0,55	0,61	0,65	0,70	0,75
Assessed degree of sound absorption D. 50 mm according to ÖNORM EN ISO 11654	$\alpha_w = 0,60$							
Mould growth intensity according to EN ISO 846	0							



ECOLOGICAL PARAMETERS

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

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

