

## best wood WALL 140

Version 01/2024



WALL 140 is a pressure-resistant wood fiber insulation board that can be plastered. It can be applied on entire surfaces such as masonry and solid wood in external walls.

### Technical information

Denomination	WF-EN 13171-T5-DS(70,-)2-CS(10\Y)100-TR20-WS1,0-MU3-AFr75
Density	140 [kg/m <sup>3</sup> ]
Nominal value of thermal conductivity $\lambda_D$	0.040 [W/(mK)]
Rated value of thermal conductivity $\lambda$	0.042 [W/(mK)]
Reaction to fire according to DIN EN 13501	E
Construction material class according to DIN 4102	B2
Full declaration	Wood fibers, PMDI gluing, paraffin
Production process	Dry process
Compressive stress at 10% compression	$\geq 100$ [kPa]
Tensile strength perpendicular to the plane of the board	$\geq 20$ [kPa]
Modulus of elasticity $E_{(a)}$	$\geq 1.45$ [N/mm <sup>2</sup> ]
Water vapor diffusion resistance $\mu$	3
Linear flow resistance	$> 75$ [kPa·s/m <sup>2</sup> ]
Short time water absorption	$\leq 1.0$ [kg/m <sup>2</sup> ]
Specific heat capacity	2,100 [J/(kg K)]
Waste code according to AVV	030105, 170201 / observe the national regulations

### Fields of application according to DIN 4108-10

DEO-ds, WAB-ds, WAP-zh, WZ, WH, WI-zg, WTR	
DEO	Inside insulation of the ceiling (on the top) under screed without noise protection requirements
ds	High pressure resistance
WAB	External insulation of the wall behind the cladding
WAP	External insulation of the wall under rendering
zh	High tensile strength
WZ	Insulation of cavity walls, cavity insulation
WI	Inside insulation of walls
zg	Low tensile strength
WTR	Insulation of partition walls



### Delivery formats (Standard formats)

Edge formats	Stump	Tongue + groove
Thickness	40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240 mm	60, 80, 100, 120, 140, 160, 180, 200, 220, 240 mm
Length	1,250 mm	1,500, 2,000 mm
Width	600 mm	580 mm
Pallet height	up to a max. of 1,350	

The edge profile „stump“ and „shiplap edge“ as well as other board lengths are possible on request.

## Board weights

Stump (Standard formats)		
Thickness in mm	1 m <sup>2</sup>	600 x 1,250 mm 0.75 m <sup>2</sup>
40	5.6 kg	4.2 kg
60	8.4 kg	6.3 kg
80	11.2 kg	8.4 kg
100	14.0 kg	10.5 kg
120	16.8 kg	12.6 kg
140	19.6 kg	14.7 kg
160	22.4 kg	16.8 kg
180	25.2 kg	18.9 kg
200	28.0 kg	21.0 kg
220	30.8 kg	23.1 kg
240	33.6 kg	25.2 kg

Tongue + groove (Standard formats)			
Thickness in mm	1 m <sup>2</sup>	580 x 1,500 mm 0.87 m <sup>2</sup>	580 x 2,000 mm 1.16 m <sup>2</sup>
60	8.4 kg		9.7 kg
80	11.2 kg		13.0 kg
100	14.0 kg		16.2 kg
120	16.8 kg	14.6 kg	
140	19.6 kg	17.0 kg	
160	22.4 kg	19.4 kg	
180	25.5 kg	21.9 kg	
200	28.0 kg	24.3 kg	
220	30.8 kg	26.7 kg	
240	33.6 kg	29.2 kg	

## Certificats



## best wood ETICS (External Thermal Insulation Composite System)



## Installation advice

Installation advices can be found in the special installation guidelines for ETICS.

Please note that a structural calculation has to be done before installation. The present tables are only including guide values. All rights reserved. The technical data provided herein is subject to change. Although all of the information herein was up to date at the time of its publication, the publication of superseding information renders the old information invalid. Regional and national regulations and building law have to be fulfilled. The suitability and the details have to be checked for the intended use. best wood SCHNEIDER® GmbH shall not be held liable for any damage resulting from error or misprinting.

