

best wood WALL 140

Version 01/2025



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 ³]
Nominal value of thermal conductivity λ_D	0.040 [W/(mK)]
Rated value of thermal conductivity λ	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	≥ 100 [kPa]
Tensile strength perpendicular to the plane of the board	≥ 20 [kPa]
Modulus of elasticity $E_{(a)}$	≥ 1.45 [N/mm ²]
Water vapor diffusion resistance μ	3
Linear flow resistance	> 75 [kPa·s/m ²]
Short time water absorption	≤ 1.0 [kg/m ²]
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-dh, WAB-dh, WAP-zh, WZ, WH, WI-zg, WTR

DEO Inside insulation of the ceiling (on the top) under screed without noise protection requirements

dh 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 ²	600 x 1,250 mm 0.75 m ²
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 ²	580 x 1,500 mm 0.87 m ²	580 x 2,000 mm 1.16 m ²
60	8.4 kg	7.3 kg	9.7 kg
80	11.2 kg	9.7 kg	13.0 kg
100	14.0 kg	12.1 kg	16.2 kg
120	16.8 kg	14.6 kg	19.5 kg
140	19.6 kg	17.0 kg	22.7 kg
160	22.4 kg	19.4 kg	26.0 kg
180	25.5 kg	21.9 kg	29.2 kg
200	28.0 kg	24.3 kg	32.5 kg
220	30.8 kg	26.7 kg	35.7 kg
240	33.6 kg	29.2 kg	39.0 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.

