

best wood WALL 140

Version 01/2026



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.

