

best wood **FLOOR 220**

Version 02/2026



Wood fiber insulation board for certified sound protection installations on solid wood ceilings with increased compressive stresses.

Technical information

Denomination	WF-EN 13171-T5-CS(10Y)180-TR30-WS1,0-MU5-AFr100-CP1
Norm	EN13171
Density	220 [kg/m ³]
Nominal value of thermal conductivity λ_D	0.047 [W/(mK)]
Rated value of thermal conductivity λ	0.049 [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	≥ 180 [kPa]
Tensile strength perpendicular to the plane of the board	≥ 35 [kPa]
Modulus of elasticity $E_{(d)}$	$\geq 3,00$ [N/mm ²]
Water vapor diffusion resistance μ	5
Linear flow resistance	> 100 [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	30105, 170201

Fields of application according to DIN 4108-10

DEO-ds

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

ds High pressure resistance



Delivery formats (standard formats)

Edge formats	Tongue + groove
Thickness	22, 35, 40 mm
Length	1,500 mm
Width	580 mm
Pallet height	up to a max. of 1,350

Board weights

Thickness in mm	1 m ²	580 x 1,500 mm 0.87 m ²
22	4.8 kg	4.2 kg
35	7.7 kg	6.7 kg
40	8.8 kg	7.7 kg

Certificats



Installation advice

- Store and install FLOOR 220 dry
- Install the boards laterally, exact and without joints
- Cut with a common woodworking tool
- Diagonal joints are not allowed
- Do not install damaged boards!
- For acoustic decoupling, FLOOR 220 must not be installed with contact to the wall.
- Dust extraction in accordance with BG regulations
- Installation elements or inlets (e.g. solar pipes ...), for which temperatures of > 80°C can be expected, must not be installed without any additional fire precautions into the best wood SCHNEIDER wood fiber installation materials.

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.

