

best wood **ROOM 140**

Version 05/2021



Wood fiber insulation board ROOM 140 that can be plastered. Suitable for internal walls. ROOM 140 can be fixed on masonry, walls of solid wood and wooden wallboards with or without planking (e.g. OSB).

Technical information

Denomination	WF-EN13171-T5-CS(10)Y 100-TR20-WS1.0-AF75-MU3
Norm	EN13171
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 $E_{(d)}$	≥ 1.45 [N/mm ²]
Water vapor diffusion resistance μ	5
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

Fields of application according to DIN 4108-10

DI-zg, WH, WI-zg, WTR

DI	Internal insulation of the ceiling (from below) or of the roof, insulation under rafters/supporting structure, suspended ceiling, and so on
zg	Low tensile strength
WH	Infilling insulation of walls in wooden framework and timber frame constructions
WI	Inside insulation of walls
WTR	Insulation of partition walls



Delivery formats (standard formats)

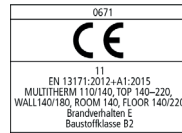
Edge formats	Stump	Tongue + groove
Thickness	20, 40, 60 mm	40, 60 mm
Length	1,250 mm	1,250 mm
Width	600 mm	580 mm
Pallet height	up to a max. of 1,350	up to a max. of 1,350

Board weights

		Stump (Standard formats)	
Thickness in mm	1 m ²	600 x 1,250 mm 0.75 m ²	
20	2.8 kg	2.1 kg	
40	5.6 kg	4.2 kg	
60	8.4 kg	6.3 kg	

		Tongue + groove (Standard formats)	
Thickness in mm	1 m ²	580 x 1,250 mm 0.73 m ²	
40	5.6 kg	4.0 kg	
60	8.4 kg	6.1 kg	

Certificats



Installation advice

- Store and install ROOM 140 dry
- Install the boards laterally, exact and without joints
- Cut with a common woodworking tool
- Do not use ROOM 140 as load-bearing component
- Please observe the following modular dimensions:
- The joint displacement per row has to be at least 1 rafter space.
- Do not install damaged boards!
- 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 insulation materials.

For further treatment in the internals, we recommend:

- **CLAYTEC** (earth plaster)
- **BiosLehm** (earth plaster)
- **Villerit** (lime-based plasters)

Further instructions can be found on
www.schneider-holz.com

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.

