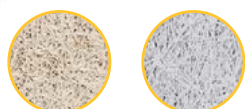


TEKTALAN A2-SmartTec

February 2024



APPLICATIONS



Underground parking places, walls, ceilings of cellars.

DESCRIPTION

Non combustible composite board made from mineral wool core and one-sided wood wool facing with mineral binder, according to EN 13168. Due to the natural raw materials there could be unavoidable shade differences in the wood wool top layer. The boards can be delivered with painted surface (in RAL colours) on request. The edges of boards are beveled, optionally can be ship-lapped or both.

TECHNICAL PROPERTIES

Thermal

Thermal conductivity:

MW: 0,034 W/m·K
WW: 0,095 W/m·K

Fire

Classification:

A2-s1, d0, according to EN 13501-1

Mechanical property

Compression strength:

$\sigma_m \geq 20$ kPa

PERFORMANCE

- High resistance to fire - A2 - increasing the fire safety of buildings
- Excellent heat accumulation
- Very good acoustic properties
- Low vapour resistance
- Excellent construction-biological properties
- Resistant to microorganisms and rodents
- Chemically neutral - no reaction with the surrounding materials
- Easy cutting to the requested size and shape
- Very high resistance to mechanical stresses

PRODUCTION SIZES, PACKAGING UNITS

Thickness	Thermal resistance - R_D	Average mass	Packaging /pc	Length	Width
mm	$m^2/K \cdot W$	kg/m^2	pc/pallet	mm	mm
50	1,20	17,10	44	1000	600
75	1,95	19,30	28	1000	600
100	2,70	18,80	22	1000	600
125	3,40	21,30	18	1000	600
150	4,15	24,60	14	1000	600
175	4,90	25,40	12	1000	600
200	5,65	26,50	10	1000	600

CERTIFICATION



ADDITIONAL INFORMATION

Application Area

Insulation board for posterior fixing at ceilings and walls of medium and large size underground parking places (according to the local regulations), at slabs of cellars and in industrial and commercial buildings.

Designation Code

WW-EN 13168-W1-T1-CS(10)20-TR5

Certificate of Consistency of Performance (CPR)

0797-CPR-B20332

DoP

W4312GPCPR

Product norm

EN 13168

Dimension stability and tolerances of WW boards

- Due to the organic component of wood wool boards slight deviations in the size cannot be excluded. Likewise, the panels also shrink and expand if there is strongly fluctuating air humidity.
- Dimensional stability in standard climatic conditions is 0,5% for length (± 10 mm for 2000 mm boards) and for width ($\pm 2,5$ mm for 500 mm wide boards). Therefore, special attention must be given to the temperature and air humidity during installation (if necessary heat, ventilate, or dehumidify the air under constant monitoring) in order to ensure the required installation conditions.
- Production tolerance for the 2000 mm nominal dimensions is $+5/-10$ mm; for 1000 mm lengths $+3/-5$ mm, for width is ± 3 mm according to EN 13168 point 4.2.2.

Installation and system conditions:

- The installation of WW products (Theralith homogeneous boards, Therastyren and Tektalan composite boards) must be carried out under controlled humidity and temperature conditions.
- Only install panels in rooms, where the following conditions are ensured: for heated or air-conditioned rooms, the maximum relative air humidity must be between 40% and 75%, the temperature must not be below $+7^{\circ}\text{C}$ or above $+30^{\circ}\text{C}$.
- If WW products are to be installed in rooms with central heating, or in rooms with conditions significantly different from normal conditions we recommend acclimatising the boards for at least 48 hours days in a room with the same climatic conditions.

Storage conditions: Please check the description available on our website: www.knaufinsulation.hu

Heraklith

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