

# TEKTALAN A2-HS

October 2019



## APPLICATIONS



For underground parking places, walls, ceilings of cellars.

## DESCRIPTION

Non combustible composite board made from mineral wool core and two-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.

## PERFORMANCE

### Thermal

Thermal conductivity: MW 0,037 / WW - 0,090 W/m·K

### Fire

Classification: A2-s1, d0, according to EN13501-1

### Mechanical property

Compression strength:  $\sigma_m \geq 30$  kPa

## TECHNICAL PROPERTIES

- 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	Layers	Thermal resistance - R <sub>D</sub>	Average mass	Packaging /pc	Packaging unit	Length	Width
mm	mm	m <sup>2</sup> /K·W	kg/m <sup>2</sup>	pc/pallet	m <sup>2</sup> /pallet	mm	mm
50	5/40/5	1,15	17,0	22	26,4	2000	600
75	5/65/5	1,80	19,5	14	16,8		
100	5/90/5	2,50	23,0	11	13,2		
125	5/115/5	3,15	26,0	8	9,6		
150	5/140/5	3,85	29,5	7	8,4		

## 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-L2-W1-T1/T3-S2-CS(10)30-TR5-CI1

### Certificate of Consistency of Performance (CPR)

0751-CPR-222.0-01

### DoP:

W4312FPCPR

### 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 ( $\pm 10$  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  $\pm 3$  mm according to EN 13168 point 4.2.2.

### Installation and system conditions:

- The installation of WW products (Heraklith homogeneous boards, Therastyren and Therarock 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.

## Heraklith

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