

## Tektalan A2 - HS

**Build on us.**



### Description

**Tektalan A2-HS are cement-bonded wood wool panels combined with a rock mineral wool insulation core, used for the thermal & acoustic performance and the decorative finish of walls and ceilings.** They are non-combustible with Euroclass A2,s1-d0 reaction to fire classification and can provide a fire resistance of up to 180 minutes to concrete slabs covered with the product. The boards can be delivered with painted surface (in RAL colors) on request.

### Applications



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## Technical characteristics

### Thermal

Thermal conductivity: RMW: 0,037 W/mK  
WWC: 0,095 W/mK

### Fire

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

### Mechanical property

Compression strength:  $\sigma_m \geq 30$  kPa

Declaration of Performance - DoP [www.dopki.com/W4312CPCPR](http://www.dopki.com/W4312CPCPR)

CE code: WW-EN 13168-L2-W1-T1/T3-S2-CS(10)30-TR5-CL1

## Benefits

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

## Dimensions and packaging

Thickness	Layers	Thermal resistance - RD	Average mass	Packaging /pc	Packaging unit	Length	Width
mm	mm	m2K/W	kg/m2	pcs/pal	m2/pal	mm	mm
50	5/40/5	1,15	17,00	22	26,40	2000	600
75	5/65/5	1,85	19,50	14	16,80	2000	600
100	5/90/5	2,50	23,00	11	13,20	2000	600

## Certificates



### Application

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.

### 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  $\pm 5/-10$  mm; for 1000 mm lengths  $\pm 3/-5$  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, Heratekta 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 acclimatizing the boards for at least 48 hours days in a room with the same climatic conditions.

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