

## BETEK THERMAL INSULATION GROUP

### B.TECT PW50 PARTITION WALL BOARD



#### DESCRIPTION

B.Tect PW50 Partition wall board is an inorganic thermal insulation plate produced by melting down volcanic rocks such as basalt and dolomite in high temperature pots and converting them into fibers.

#### FEATURES

- Offers **superior thermal insulation** with its **low thermal conductivity coefficient** ( $\lambda_D = 0.035$  W/mK).
- Provides **perfect sound insulation** with its exclusive fiber structure.
- Used reliably in all facade systems in line with the regulations with its **class A1 reaction to fire**.
- Enables **lighter, easier and faster application** with its ideal plate dimensions.
- Ensures **high energy saving throughout the building life cycle** with its proper plate thickness and its **mechanical resistance exceeding the standards**.
- **Ecological and environmentally-friendly** with its **world-class production technology** and **natural raw material content**. Does not dust.
- Produced in line with the TS EN 13162 Stonewool Product and TS EN 13500 Stonewool System standards.

#### STORAGE

Store on pallets at a cool and ventilated environment away from direct sunlight and substances like solvents and thinners. Protect against precipitation.

Warning: Abstain from applying plaster on stonewool plates exposed to precipitation, before they are fully dry.

TECHNICAL SPECIFICATIONS	Description	UNIT	CLASS	STANDARD
Material	<b>Stonewool</b>			<b>EN 13162</b>
Material Type	<b>Partition wall board</b>			<b>EN 17237</b>
Fire Response Class	Declared value		A1	EN 13501-1
Width	600	mm		TS EN 822
Length	1000	mm		EN 822
Thermal Conductivity Coefficient ( $\lambda_D$ )	0.035	W/mK		EN 12667
Thermal Resistance ( $R_D$ )	1,43-5,71	m <sup>2</sup> K/W		TS EN 13162
Sound Absorption	0,85-1,00	$\alpha_w$		TS EN ISO 11654
Compressive Strength at 10% Deformation	Does not require	kPa		EN 826
Length Tolerance	± 2%	mm	L2	EN 822
Width Tolerance	± 1.5%	mm	W2	EN 822
Dimensional Stability	± 1%			EN 1604
Water Vapor Absorption (short term - 24 hours)	<1	kg/m <sup>2</sup>		EN 1609
Water Vapor Diffusion Resistance Coefficient	1	$\mu$		EN 12086
Temperature Range	(-50) / 750	°C		