



## Tektalan® A2-E21

Three-layer Wood Wool insulation board



## Description of Product:

- Three-layer Wood Wool insulation board with 2 mineral-bonded non-flammable Wood Wool cover layers, each 5 mm thick and non-flammable Rock Mineral Wood board

## Purpose of use:

- In the Tektalan facade insulation system as thermal insulation of facades and protruding soffits.
- For thick plaster systems as a thermal insulation composite system as per ETAG 004
- For cement-lime mortar plaster made at the construction site

## Advantages:

- Improvement of thermal insulation, fire protection, sound absorption
- Diffusionopen
- Mechanical fixing with insulation dowel
- Mineral bonded Heraklith surface layer as good underground for mineral plaster
- Long term use

## Note:

- Please observe the relevant processing guidelines. In addition, the relevant standards and the recognised rules of technology apply.

## Technische Daten

Thickness	mm	50	75	100	125	150	175
Layer structure	mm	5/40/5	5/65/5	5/90/5	5/115/5	5/140/5	5/165/5
Weight	kg/m <sup>2</sup>	12,0	15,0	18,5	21,5	24,5	27,5
Length	mm	1000					
Width	mm	600					
Form of delivery: palletised							

Characteristics	Symbol	Description / Data						Unit	Standard	Level acc. EN 13168
Fire behaviour	--	A2-s1, d0						--	EN 13501-1	
Nominal thermal conductivity	$\lambda_D$	Mineral-bonded Wood Wool cover layer 5 mm: 0,070 Rock Mineral Wool: 0,039						[W/mK]	EN 13168	
Thickness	d	50	75	100	125	150	175	[mm]	EN 13168	
Nominal thermal insulation resistance	$R_D$	1,15	1,80	2,45	3,05	3,70	4,35	[m <sup>2</sup> K/W]	EN 13168	
Lambda value <sup>1)</sup>	$\lambda$	0,043	0,041	0,041	0,040	0,040	0,040	[W/mK]		
Compressive stress with 10% crushing	$\sigma_m$	≥ 50						[kPa]	EN 13168	CS(10/Y)50
Tensile strength normal to the board surface	$\sigma_{mt}$	≥ 20						[kPa]	EN 1607	TR20
Width tolerance		± 3						[mm]	EN 13168	W1
Thickness tolerance		+ 3 / -2			+ 4 / -3			[mm]	EN 13168	T1
Water vapour diffusion resistance coefficient	$\mu$	2	2	2	1	1	1	--	EN 12086	

<sup>1)</sup>To simplify calculation, the  $\lambda$ - value is calculated for the individual product thicknesses.

Knauf Insulation Rock Mineral Wool fibres are not hazardous to health. This is guaranteed by the RAL seal of quality.

**Sale via the specialist trade.**



Institut für Bauen und Umwelt e. V.

The values in this product data sheet correspond to the present state of development of our products and become invalid on the publication of a new version. Always make sure that you use the latest version of this information. The suitability of the product is not binding for individual cases of a special nature. Our General Terms of Sale, Delivery and Payment apply exclusively. All data are included without warranty. We reserve the right to make modifications.

Stand:04/2014 li-jb (ersetzt 11/2013 li-jb)

Heraklith® is registered trademark of **KNAUF INSULATION**

Knauf Insulation GmbH  
 Industriestraße 18  
 A-9586 Fürnitz  
 Telefon +43 4257 3370-0  
 Telefax +43 4257 3370-2300  
 www.knaufinsulation.at