

# JACKOBOARD® Technical specifications

## JACKOBOARD® Plano JACKOBOARD® Plano Premium

Properties	Standard	Unit	XPS core
Bulk density	EN 1602	kg/m <sup>3</sup>	> 30
Thermal conductivity $\lambda_D$	EN 13164	W/(m·K)	0,034 <sup>1)</sup>
Compressive strength and/or compressive stress at 10% compression	EN 826	N/mm <sup>2</sup>	> 0,30 <sup>2)</sup>
Dimensional stability at 70°C and 90% relative humidity	EN 1604	%	≤ 5
Deformation under 40 kPa load and 70°C temperature	EN 1605	%	≤ 5
Vapour diffusion resistance factor $\mu$ (dependent on the thickness)	EN 12086	-	200 - 60
Water absorption on long-term immersion	EN 12087	Vol-%	≤ 1
Linear thermal expansion coefficient	-	mm/(m·K)	0,07
Fire behaviour	EN 13501-1	Class	Euroclass E
Working temperature	-	°C	-50 /+75

Properties	Standard	Unit	JACKOBOARD® Plano	JACKOBOARD® Plano Premium	
Tensile strength	EN 1607	kPa	≥ 200	≥ 200	
Tolerances	Width	EN 822	± 2	± 1	
	Length	EN 822	± 2	± 2	
	Rectangularity	EN 824	mm/m	≤ 5	≤ 2
	Evenness	EN 825	mm	≤ 2	≤ 2
Edge profile	-	-	butt edge	butt edge	

<sup>1)</sup> 80 mm  $\lambda_D = 0,035$  W/(m·K)

<sup>2)</sup> 0,2 N/mm<sup>2</sup> for Plano construction board 20 mm and Plano Premium ≤ 20 mm

### Note:

We would like to point out that the data, images, technical information and drawings provided in the brochure are general details and only constitute suggestions. The illustrations are schematic and demonstrate the basic functional principle. Exact dimensions are not specified. The fabricator/customer is responsible for testing the applicability with regard to the respective construction project. All specifications and data must be adapted to local conditions and do not constitute construction, detail or installation documentation. The technical specifications and data for the products in the data sheets and system descriptions/approvals must be observed.

## JACKOBOARD® Aqua shower element

Properties	Unit	Value
Compressive strength at 10% compression according to EN 826 (XPS core)	kPa	> 300
Tensile strength	kPa	> 200
Fall	-	integrated
Thickness	mm	20, 40, 50
Minimum tile size	mm	25 x 25 x 4 <sup>1)</sup>
Wheelchair accessible from tile size	mm	50 x 50 x 6,5
Fire behaviour	-	Euroclass E
Thermal conductivity ( $\lambda_D$ ) according to EN 13164 (XPS core)	W/(m·K)	0,034

<sup>1)</sup> For smaller tile sizes the joints must be grouted with epoxy resin grout.

## Horizontal drain (Art. no. 4512007)

Properties	Unit	Value
Drainage rate	l/s	0,9
Installation height	mm	77
Water trap height	mm	50 <sup>2)</sup>
Grate load class	-	K3
Pipe connection	-	DN 50
Grate size	mm	120 x 120 x 4
Grate frame size	mm	130 x 130 x 9
Tile thickness incl. plaster	mm	3-38

<sup>2)</sup> Installation height incl. shower element up to 97 mm

## Vertical drain (Art. no. 4512008)

Properties	Unit	Value
Drainage rate	l/s	0,9
Installation height	mm	115 <sup>3)</sup>
Water trap height	mm	50
Grate load class	-	K3
Pipe connection	-	DN 40 and DN 50
Grate size	mm	120 x 120 x 4
Grate frame size	mm	130 x 130 x 9
Tile thickness incl. plaster	mm	3-38

<sup>3)</sup> Floor drain underside (without drain nozzle)

For more information:  
[www.jackon-insulation.com](http://www.jackon-insulation.com)