



### JACKOBOARD® Plano

- For wall, floors and ceilings
- Waterproof and heat insulating

#### Product Description

The **JACKOBOARD®** construction board is manufactured in Germany from purple extruded polystyrene foam. The rigid foam is coated on both faces with a glass fibre reinforced mesh and cementitious coating to provide a perfect substrate for tiling and other finishes.

#### Product Properties

**JACKOBOARD®** are versatile and can be fitted to many different substrates. Key properties cover waterproofing, insulating, lightweight, dimensionally stable and can be used as a construction board as an alternative to traditional building methods.

#### Surface preparation requirements

**JACKOBOARD®** does not need any surface preparation prior to tiling. However, the surface does need to be clear of any loose dust or foreign items. If the surface or edges are damaged, these can be repaired. Please contact our technical team for further advice.

#### Product applications

Due to the **JACKOBOARD®** versatility, the construction boards can be used in a variety of applications.

- Full bed or mechanical fixings to walls, floors and ceilings
- Suitable for wet plaster and renders
- Completely waterproof
- Excellent thermal U values for under floor heating and general insulation
- BBA tested to hold 100kg p/m<sup>2</sup>
- Suited for stone and marble installations
- **JACKOBOARD®** Plano construction board is only one product in our family of products for complete waterproofing systems.
- Can be used as a construction board to build shelves, pipe/soil stack boxing

Art. no.	EAN code	Thickness mm	Panel dim. mm
4511306	40 25345 09154 0	4	1200 x 600
4508150	40 25345 07013 2	6	1200 x 600
4508151	40 25345 07014 9	10	1200 x 600
4508152	40 25345 07015 6	12	1200 x 600
4508153	40 25345 07016 3	20	1200 x 600
4509364	40 25345 07904 5	30	1200 x 600
4509365	40 25345 07905 0	40	1200 x 600
4509366	40 25345 07906 7	50	1200 x 600
4509367	40 25345 07907 4	60	1200 x 600
4508126	40 25345 06992 1	10	2400 x 600
4508127	40 25345 06993 8	12	2400 x 600
4508128	40 25345 06994 5	20	2400 x 600
4508129	40 25345 06995 2	30	2400 x 600
4509369	40 25345 07909 8	40	2400 x 600
4509370	40 25345 07910 4	50	2400 x 600
4509371	40 25345 07911 1	60	2400 x 600
4511228	40 25345 09112 0	80	2400 x 600
4523755	40 25345 15526 6	12.5	2400 x 1200

### JACKOBOARD® Plano (continued)

#### TECHNICAL DETAIL

#### JACKOBOARD® Plano and 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	
Tensile strength	EN 1607	kPa	≥ 200	
Tolerances	Width	EN 822	± 2	
	Length	EN 822	± 2	
	Rectangularity	EN 824	mm/m	≤ 5
	Evenness	EN 825	mm	≤ 2
Edge profile	-	-	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 ≤ 20 mm

#### Sustainability

Our factories are managed to the highest standards of environmental compliance and our products are also independently tested to ensure they meet the most rigorous European standards. In addition **JACKON** products are designed to reduce the energy requirements of any building throughout its lifetime and therefore contribute significantly to a reduction in global warming.

