




## The Brick Panels

The Brick Panels High Performance Insulation with the Brick-Tiles							Stand 01.2013			
Characteristics data Compound system PUR-Rigid Foam With Brick-tiles										
PUR/PIR-rigid foam			CFC-and HCFC-free, guaranteed quality							
Properties:			Non-glowing, non-melting, and is not dropping off whilst burning, Biological harmless, non-rotting, recyclable, mould and mildew-resistant.							
Apparent density			>30 kg/m <sup>2</sup> in accordance with DIN EN 1602							
Compressive strength at 10% compression			>100 kPa in accordance with DIN EN 826							
Rated value of thermal conductivity	Rigid foam 0,0268		λ 0,026 W/(m ·K) in accordance with DIN EN 4108-4=> 63 mm λ 0,030 W/(m·K) in accordance with DIN EN 4108-4=> 43 mm							
	Brick clinker Brick tile		λ0,51 W/M-K λ 0,081 W/M-K							
Water vapour resistance index			60-110 (PUR/PIR rigid foam)							
Application type			WAB in accordance with DIN EN 4108-10							
Construction material class With brick tiles			B1 in accordance with DIN EN 4102 System can be used up to 22 meter Other high on request							
Temperature resistance			-30°C to +110°C -22°F to +230°F							
Longitudinal expansion coefficient			5-8x10 <sup>-5</sup> 1/K in accordance with DIN EN 1604							
Water absorption			Approx. 3 vol.% in accordance with DIN EN 12087							
Coating			Brick-tiles/one-sided coating made of special geomembrane,							
Edge finishing			Around, with foam chamber							
Dimension/Format			Stretcher bond NF-126,2x74,5 cm RF-138,5x69,3 cm DF-138,5x69,9 cm WDF-134,0x64,0 cm			Flemish bond RF-113,5x77,5 cm DF-113,5x69,9 cm WDF-123,5x64,0 cm				
Thickness rigid PUR in mm			23	43	63	63	63	63	Deposited PUR/PIR rigid foam 20-120 mm λ=0,029 W/(M-K)	
Brick-tiles 17 mm			17	17	17	20*	40*	60*		
U-value (W/m <sup>2</sup> -K)			0,92	0,57	0,37	0,29	0,25	0,21		
R-value (m <sup>2</sup> -K/W)			1,09	1,76	2,68	3,36	4,04	4,75		
Brick –tile type/dim. In mm			NF240x71x14/17, WDF 210/215x65x14/21, RF 240x65x14/17 DF240x52x14/17, other format /thickness on request							
Brick –tile colours			See website <a href="http://www.brick-panels.co.uk">www.brick-panels.co.uk</a>							
			Other technical details on request.							
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