

# BRICK – PANELS

## JOINT ALIGNMENT SYSTEM



<b>XPS RIGID FOAM PANELS</b>											<b>Stand 05.2010</b>	
<b>High Performance Insulation for our Brick-Tiles</b>											<b>Date: 30.05.2010</b>	
Characteristics data												
<b>Joint alignment system</b>												
<b>XPS Rigid Foam WLS 035, 036,037</b>												
XPS Rigid Foam	HFC, 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	>300 kPa in accordance with DIN EN 826											
Rated value of thermal conductivity	$\lambda$ 0,035 W/(m-K) in accordance with DIN EN 4108-4 60 mm (CFR 300) $\lambda$ 0,037 W/(m-K) in accordance with DIN EN 4108-4 80 mm (CFR 300) $\lambda$ 0,036 W/(m-K) in accordance with DIN EN 4108-4 180 mm (KF 300) $\lambda$ 0,037 W/(m-K) in accordance with DIN EN 4108-4 180-200 mm (KF 300)											
Water vapour resistance index	250-80 in accordance with DIN EN 12086											
Application type	WAB in accordance with DIN EN 4108-10											
Construction material class With brick tiles	B1 in accordance with DIN EN 4102 Euroclass E System can be used up to 22 meter Other high on request											
Up application Temperature	+75°C											
Longitudinal expansion coefficient	0,07 in accordance with DIN EN 1604											
Water absorption	Approx. 3 vol.% in accordance with DIN EN 12087											
Coating	no											
Edge finishing	Head site stepped, sides with tongue and groove from thickness 30 mm											
Dimension/Format	RF/WDF-123.0x54.5 cm NF-123.0x58.0 cm DF-123.0x56.5 cm											
Thickness rigid PUR in mm	16	25	30	40	60	80	100	120	140	160	180	200
U-value (W/m <sup>2</sup> -K)	0,50	0,71	0,85	1,14	1,71	2,16	2,77	3,33	3,88	4,44	4,86	5,40
R-value (m <sup>2</sup> -K/W)	2,00	1,40	1,25	0,87	0,58	0,46	0,36	0,30	0,25	0,23	0,21	0,19
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>											
Admission	Other technical details on request. Deutsches Institute fur Bautechnik. Berlin											
 <b>Fourways ML</b> 42 Valentines Road Ilford, ESSEX London IG1 4SA Tel./fax: +44(0)20822271036 +44(0)7712284159 +44(0)7545966558 e.mail: <a href="mailto:info@brick-panels.co.uk">info@brick-panels.co.uk</a> <a href="http://www.brick-panels.co.uk">www.brick-panels.co.uk</a>												

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