

renOTHERM

Renotherm consists out of a gastight PIR insulation board covered at one side with a finishing board.

There are 4 types of finishing boards available:

- 12,5 mm gypsum plasterboard with tapered edges
- 10 mm gypsum fibreboard with tapered edges
- 12 mm OSB III with straight edges
- 8 mm chipboard with straight edges

Characteristics	
Facing PIR insulation	L : gastight multilayer aluminium complex
Core	PIR (polyisocyanurate)
Edges	4 sided tongue and groove
Dimensions/Cover width	Renotherm OSB/Chipboard/plasterboard: 1200 mm x 613 mm (Net: 1189 mm x 602 mm) Renotherm Gypsum fibreboard: 1200 mm x 600 mm (Net: 1189 mm x 589 mm)
Thermal conductivity : λ_D	0,022 W/mK
Compressive strength at 10% deformation: CS(10/Y)150 according to EN826	≥ 150 kPa (1,5 kg/cm ²).
Tensile strength PIR	TR80 ≥ 80 kPa
Dimensional stability under specified temperature and humidity conditions: 48h, 70°C, 90%RV 48h, -20°C	DS(70,90)3: $\Delta e_{l,b} \leq 2$ / $\Delta e_d \leq 6$ DS(-20,-)1: $\Delta e_{l,b} \leq 1$ / $\Delta e_d \leq 2$
Deformation under pressure and temperature	DLT(2) $\leq 5\%$
Density PIR	32kg/m ³ ± 3 kg/m ³
Vapour diffusion resistance factor μ	50-100
Reaction to Fire	F according to EN 13501-1

PRODUCTS

Thickness PIR [mm]	R_D [m ² K/W]	Weight [kg/pc]			
		Gypsum plasterboard 12,5mm	Gypsum Fibreboard 10mm	OSB III 12mm	Chipboard 8mm
80	3,60	8,70	Unavailable	7,20	6,00
82	3,70	Unavailable	9,90	Unavailable	Unavailable
100	4,50	9,20	10,30	7,60	6,50
120	5,45	9,60	10,80	8,10	7,00
140	6,35	10,10	11,20	8,50	7,40

UTHERM PIR core comes with a CE-mark



UNILIN

obchodní zastoupení společnost PAMA, a.s., 594 45 Ostrov nad Oslavou 273, kontaktní osoba

Miroslav Lázníčka: +420 603 106 024, email: laznicka.m@pamaas.cz