

PIR Vapotherm BG

Insulation Board

Description:

PIR VAPOTHERM BG insulation board consists of a rigid polyisocyanurate core, finished on both sides with a bitumen coated glass fibre tissue.

Uses:

PIR VAOPTHERM BG insulation boards are used for the thermal insulation of flat or lightly sloped roofs in combination with modified bituminous waterproofing membranes. The insulation boards are compatible to bitumen. The boards are installed by mechanical fastening or pouring bitumen.

Characteristics:

Length	1200mm
Width	600mm
Thickness	30mm to 120mm
Thermal conductivity (λ_D -value)	0.027 W/(m.K) (for thickness <80mm)
Density	minimum 30 kg/m ³
Compression strength	minimum 150 kPa at 10% compression
Water vapour resistance	> 15 MNs/g
Closed cell structure	minimum 90%
Ozon Depletion Potential	0
Temperature resistance	short duration: max. 220°C, less than one hour long duration: -50°C to + 100°C
Edge finishing	square edges
Fungal resistance	resists fungus, mould and microbial growth

Thermal Properties:

Thickness (mm)	30	40	50	60	70	80	90	100	110	120
R value (m ² K/W)	1.10	1.45	1.85	2.2	2.55	3.05	3.45	3.80	4.20	4.80

Product qualities are being measured as prescribed in BS EN 13165:2001

Certifications: CE (EU), KOMO attestation with product certification CTG037 (Netherlands), ATG 04/H703 product approval (Belgium).

Advantages:

- ◆ Dimensionally stable
- ◆ Fast and easy installation
- ◆ Compatible to bituminous membranes
- ◆ High insulation value
- ◆ Closed cell structure
- ◆ Light weight
- ◆ Energy cost saving
- ◆ Hard and durable

Environmental:

PIR VAPOTHERM BG insulation boards are Chlorofluorocarbon (CFC) free and Hydrochlorofluorocarbon (HCFC) free. The Ozon Depletion Potential (ODP) is zero.

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