

DESCRIPTION: Insulation board with a core of rigid polyurethane (PIR) foam covered with mineral coating on fiberglass on both sides, used as a thermal insulation for buildings in warm flat roofs under membrane waterproofing systems.

PHYSICAL FEATURES:

Weight (kg/m ²)	PANEL THICKNESS (mm)						
	30	40	50	60	70	80	100 ⁽³⁾
Width: 1.200 mm							
Length: 2.500 ⁽¹⁾ mm or 2.225 ⁽²⁾ mm	0,96	1,28	1,60	1,92	2,24	2,56	3,20

⁽¹⁾ Std. for road shipments. (Ask for other sizes).

⁽²⁾ Std. for sea shipments. (Ask for other sizes).

⁽³⁾ Ask for bigger thicknesses.


TECHNICAL FEATURES:

CONCEPT	SYMBOL	NORM REF.	DECLARED VALUE ± Tolerance:	UNIT	LEVEL/CLASS DECLARED	NOTES
Width	b	EN 822	1200 ±7,5	mm	--	--
Length	l	EN 822	2500 ±10	mm	--	--
Thickness	d	EN 823	30 ±2	mm	T2	--
			40 ±2			
			50 ±3			
			60 ±3			
			70 ±3			
			80 +5,-3			
100 +5,-3						
Squareness	S _b	EN 824	< 5	mm/m	--	On length and width
Flatness	S _{max}	EN 825	≤ 10	mm	--	On length
Thermal conductivity	λ _D	EN 12667	0,027	W/m*k	--	Thk. ≤ 70 mm
			0,026			Thk. > 70 mm
Thermal resistance	R _D	EN 12667	1,10	m ² *K/W	--	Thk. = 30 mm
			1,45			Thk. = 40 mm
			1,85			Thk. = 50 mm
			2,20			Thk. = 60 mm
			2,60			Thk. = 70 mm
			3,05			Thk. = 80 mm
			3,85			Thk. = 100 mm
Dimensional stability (Under specified conditions: R.H. and T) ⁽⁴⁾ (48 ± 1)h at (70 ± 2)°C and (90 ± 5)% HR ⁽⁵⁾ (48 ± 1)h at (-20 ± 3)°C	Δε _L Δε _b Δε _d	EN 1604	Δε _L ≤2 ⁽⁴⁾ ≤0,5 ⁽⁵⁾	%	DS (70,90)3 DS (-20,-)2	Thk. < 80 mm
			Δε _b ≤2 ⁽⁴⁾ ≤0,5 ⁽⁵⁾			
			Δε _d ≤6 ⁽⁴⁾ ≤2,0 ⁽⁵⁾			
			Δε _L ≤1 ⁽⁴⁾ ≤0,5 ⁽⁵⁾			
			Δε _b ≤1 ⁽⁴⁾ ≤0,5 ⁽⁵⁾			
			Δε _d ≤4 ⁽⁴⁾ ≤2,0 ⁽⁵⁾			
Compressive stress	σ ₁₀	EN 826	≥ 120	kPa	CS(10/Y)120	At 10% Deformation
Tensile strength	σ _{mt}	EN 1607	≥ 80	kPa	TR80	Perpendicular to faces
Water absorption	W _{lt}	EN 12087	≤ 2	%	WL(T)2	--
Water vapour resistance	Z	EN 12086	12	hm ² Pa/mg	Z12	--
Reaction to fire (Value end-use application)	--	EN 13501-1	B-s2,d0	--	--	Thk. ≤ 80 mm
			B-s3,d0			Thk. > 80 mm
Release dangerous substances	TVOC	ISO 16000-6	< 1000	μg/m ³	A+	--

PROPERTIES:

- ✓ Closed cell foam
- ✓ No melt / No drop
- ✓ FCF / HCFC Free
- ✓ Great internal cohesion (Not delaminate)

For any further clarification, you can contact Technical Department (tecnico@europafil.com or by phone).
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* Información sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)
 Valor de Total VOC (TVOC): 25