

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)					
	40	50	60	70 ⁽³⁾	80	100
Width: 1.200 mm	1,28	1,60	1,92	---	2,56	3,20
Length: 2.500 ⁽¹⁾ mm or 2.225 ⁽²⁾ mm						

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

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

⁽³⁾ Not authorized thickness.


EN 13165:2012
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	40 ±2			mm	T2	--
			50 ±3					
			60 ±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	1,45			m²*K/W	--	Thk. = 40 mm
			1,85					Thk. = 50 mm
			2,20					Thk. = 60 mm
			---					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	≤3 (4)	≤0,5 (5)	%	DS (70,90)2 DS (-20,-)2	Thk. < 80 mm
			Δε _b	≤3 (4)	≤0,5 (5)			
			Δε _d	≤8 (4)	≤2,0 (5)		DS (70,90)4 DS (-20,-)2	Thk. ≥ 80 mm
			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	≥ 100			kPa	TR100	Perpendicular to faces
Water absorption	W _{lt}	EN 12087	≤ 2			%	WL(T)2	--
Water vapour resistance	Z	EN 12086	12			hm²Pa/mg	Z12	--
Reaction to fire (Velve end-use applicaction)	--	EN 13501-1	B-s2,d0			--	--	Thk. ≤ 80 mm
			B-s3,d0					Thk. > 80 mm
Release dangerous substances	TVOC	ISO 16000-6	< 1000			µg/m³	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).

EUROPERFIL, S.A. reserves the right to change this document without notice.

