

DESCRIPTION: Insulation board with a core of rigid polyurethane (PIR) foam covered with bituminous compound on upper side and mineral coating on fiberglass on below side, 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.



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	m ² *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⁾				
			Δε _l ≤1 ⁽⁴⁾ ≤0,5 ⁽⁵⁾			DS (70,90)4 DS (-20,-)2	Thk. ≥ 80 mm
			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	62	hm ² Pa/mg	Z62	Fiberglass → 50% H.R. Bit. comp. → 0% H.R.	
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).
EUROPERFIL, S.A. reserves the right to change this document without notice.

