



ChovA
SISTEMAS DE IMPERMEABILIZACIÓN
Y AISLAMIENTO

ChovAPIR 2ALU

INSULATING PANELS.
POLYISOCYANURATE. **CHOVAPIR 2ALU**

TECHNICAL DATA SHEET 83600 – REV. 2/21 - 25/11/2021

INFORMATION ABOUT INSULATING PANELS ChovAPIR 2ALU



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TAVERNES DE LA VALLDIGNA. Valencia



Panel description: Insulating panel made of rigid polyisocyanurate (PIR) foam covered with 50µm aluminum sheets on both sides. Thermal insulation panel of rigid polyisocyanurate foam, PIR, 1,200 mm x 2,500 and thickness according to type. Recommended as thermal insulation in buildings as a support for waterproofing in metal deck-type roofs or other conventional-type roofs (waterproofing above the insulation) of non-traversable use. Or conventional roofs for non-intensive pedestrian use, with exclusive pedestrian use.

Properties: closed cell product, thermosetting (does not melt or drip), free of CFC's and HCFC's and great internal cohesion (it does not delaminate)

TECHNICAL FEATURES

CONCEPT	SYMBOL	STANDARD REF.	DECLARED VALUE ± Tolerance:	UDS.	LEVEL/CLASS	OBSERVATIONS	
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				
Rectangularity	S _b	EN 824	<5	mm/m	--	At length /width	
Flatness	S _{máx.}	EN 825	≤10	mm	--	At length	
Thermal conductivity	λ _D	EN 12667	0,023	W/mk	--	--	
Thermal resistance	R _D	EN 12667	1,75	m²k/W	--	THICK. = 40 mm	
			2,20			THICK. = 50 mm	
			2,65			THICK. = 60 mm	
			3,50			THICK. = 80 mm	
			4,40			THICK. = 100 mm	
Dimensional stability (under specific conditions of RH and T ^a) (1) and (2)	Δ _{εL} Δ _{εb} Δ _{εd}	EN 1604	Δ _{εL} ≤3 ⁽⁴⁾ ≤0,5 ⁽⁵⁾	%	DS (70,90) 2 DS (-20,-) 2	THICK. < 80 mm	
			Δ _{εb} ≤3 ⁽⁴⁾ ≤0,5 ⁽⁵⁾				
			Δ _{εd} ≤8 ⁽⁴⁾ ≤2,0 ⁽⁵⁾				
			Δ _{εL} ≤1 ⁽⁴⁾ ≤0,5 ⁽⁵⁾			DS (70,90) 4 DS (-20,-) 2	THICK. ≥ 80 mm
			Δ _{εb} ≤1 ⁽⁴⁾ ≤0,5 ⁽⁵⁾				
			Δ _{εd} ≤4 ⁽⁴⁾ ≤2,0 ⁽⁵⁾				
Compression tension	σ ₁₀	EN 826	≥120	kPa	CS (10/Y)120	At 10% deforma.	
Tensile strength	σ _{mt}	EN 1607	≥100	kPa	TR100	Perp. to faces	
Water absorption	W _{lt}	EN 12087	≤2	%	WL (T) 2	--	
Resist. Water vapour	Z	EN 12086	20	hm²Pa/mg	Z20		
Reaction to fire	--	EN 13501-1	B-s2, d0	--	--	THICK. ≤ 80 mm	
			B-s3, d0			THICK. > 80 mm	
Emis. dange. subst.	TVOC	ISO 16000-6	<1000	µg/m³	A+	--	
Density			32 ± 3	Kg/m³		All thicknesses	

(1) (48±1) h at (70±2) °C and (90±5)%HR

(2) (48±1) h at (-20±3)°C

www.chova.com