

polynumberbarrier



Vapor barrier made of two external pure aluminum foil layers covering a reinforcing net in the middle.

Technical Specification

Property	Units	Dir	Value	
			Regular	Reinforce (AN)
Nominal thickness	mm		0.12	
Emmissivity (ASTM C 1371)			0.05	
Reflectivity (ASTM C 1371)			0.95	
Heat resistance (R) – under roof	m ² .°C/W	Down	1.44	
Tensile strength @peak (ASTM C-1336)	g/cm-width	MD	2700	7000
		TD	2600	7800
Dimensional changes at high Temp (ASTM D-1204)	%	MD	-0.06	-0.03
		TD	-0.13	-0.05
Puncture resistance (TAPPI T 803)	Joule		0.7 1.6	
Thermal Integrity of Vapor Barrier (ASTM C-1263)	@-29°C to +60°C	MD	No cracks	
		TD	No delamination	
Surface Burning Characteristics** (ASTM E-84 Equiv.UL723)			Class A [Flame=20 /Smoke=60]	
Classification of Reaction to Fire *** (EN 13501-1:2002)			Euroclass B-s2, d0	
Moisture Vapor Transmission Rate (TNO/PIRA @38°C,90%R.H.)	g/m ² day		0.001	
Fungal Resistance Test (ASTM C 1338)			No fungal growth	
Corrosion Resistance (Internal Test)	Conc.HCl		High Resistance*	
Yield (nominal)	g/m ²		140 155	
Standard Roll Size	m x m		1.2x100 1.2x100	
Standard Roll Weight (Gross)	kg		±16.8 ±18.6	

* All products are supplied with high resistance (H.R.) treatment against corrosion as standard.

** Tested by SGS U.S. Testing Company Inc. (Report No. 740979-1)

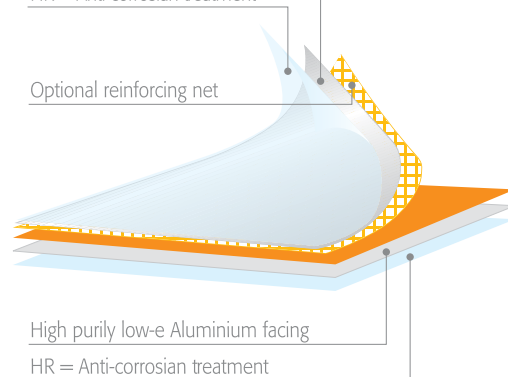
*** Tested in accordance to the new European Community standard by WFRC (Report Ref.E141990)

Structure of insulation

High purity low-e Aluminium facing

HR = Anti-corrosion treatment

Optional reinforcing net



High purity low-e Aluminium facing

HR = Anti-corrosion treatment

Polynumber products are designed and manufactured under control of a Quality Management System, which meets the requirements of ISO 9001:2000 as certified by:



The information contained in this Technical Data Sheet is the result of extensive laboratory testing performed on our products during standard production. The values given here are typical average values and are believed to be correct to the best of our knowledge, but users should not rely on them absolutely and must confirm their validity and suitability in each particular case. Polynumber-Barkai Industries Ltd. makes no guarantee of results and assumes no obligation or liability in connection with this advice.

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POLYON-BARKAI INDUSTRIES (1993) LTD. Kibbutz Barkai 37860, Israel
Tel: 972-4-6387392, Fax: 972-4-6372047, Info@polyon.co.il, www.polyon.co.il

