



Polynum Floor technical data sheet

Properties	Units	Polynum™ CBF
Nominal thickness	mm	+/- 8.0
Bubbles diameter	mm	10.0
Foil purity	%	At least 99.0
Foil thickness	Microns	At least 8.0
Emissivity	%	5
Reflectivity	%	95
Roll size	M	1.20x30.00
Coverage area	M2	36.00
Weight	Gr/m2	375.00
Roll weight	Kg	+/-13.50
Roll diameter	mm	500
Product stability		
Anti corrosion treatment		Both Sides
Scratch Resistance		Both Sides
Shrinkage	%	<0.35
Linear dimensional Changes @ 110°C	%	<0.50
Water Vapor Transmission	g / ft² • hr	0.0018 (method A)
Resistance to dry & wet delamination @ 60°C		Excellent
Fungi and Bacteria growth		NIL
Load per area	Kg/m2	At least 250 per layer
Impact Noise Reduction per ISO 140-8	dB(A)	At least -25
Compression rate	%	<70
Recovery rate	%	100
Thermal Resistance Performances (typical Rt values):		m²•°C/W Btu*in/(hr*ft²*°F)
Material R value	0.65	3.70
Typical concrete floor	1.35	7.67

Test\Report\Laboratory	Standard\Method	Results
Basic test reports		
Emittance	ASTM E 408	3% to 5%
Reflectance	ASTM E 408	95%-97%
Water Vapor Transmission	ASTM E-96 (Method A)	0.0018
Impact Noise Reduction per ISO 140-8	dB(A)	At least -25
Compression rate	ISO 3386/1-1986	< 70% per layer
Recovery rate	ISO 3386/1-1986	100%
Product stability tests and reports		
Thermal Stability Test for cracks @ 110°C	ASTM 1136-92 & ASTM 1204-94	Pass
Thermal Stability Test: Linear dimensional Changes (such as shrinkage) @ 110°C	ASTM 1136-92 & ASTM 1204-94	Pass (<0.5%)
Evaluation of Fungi and Bacteria growth	ASTM C 1338-00	NIL
Technical Approvals		
European Technical approval	DIT	Pass
Safety (reaction to fire)		
Fire Hazard Properties Horizontal fire test	AS/NZS 1530.03	PASS*
Mean Ignition Time	AS/NZS 1530.03	PASS*
Mean flame propagation time	AS/NZS 1530.03	PASS*
Mean heat release integral	AS/NZS 1530.03	PASS*
Mean smoke release	AS/NZS 1530.03	PASS*
* Fire Retardant formulated		