

Coex Cladding Technical Datasheet

Property	Test Standard	Test Description	Test conclusion	requirements
Flexural Properties (300mm)	EN 15534-1: 2014 Annex A EN 15534-4: 2014 Section 4.5.2	Bending Strength	25.3 Mpa	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	3061 Mpa	
		Maximum Load	Mean: 4179 N Min: 3813 N	-F' max: Mean ≥ 3300 N Min ≥ 3001 N
		Deflection (500N)	Mean: 1.8 Max : 2.1	
Tensile Properties	EN15534-1:2014 Section 7.2 ISO527-2:2012	Tensile Strength	Mean Value: 16.0 Mpa	
Impact Resistance	EN 15534-1:2014 Section 7.1.2.1	Falling Mass Impact	Max Crack Length (mm): non Max Residual Indentation (mm): 0.2mm	Pass
	EN 15534-1:2014 Section 4.5.1			
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength		Method of Designation ISO 179-1/1fU
Fire	EN ISO 9239-1:2010	Critical Heat Flux	Fire Behaviour: D fl Smoke Production: s2	The classification has been carried out in accordance with EN 13501-1
	EN ISO 11925-2:2010 Exposure = 15 s	Ignitability		
Water Absorption	EN 15534-1:2014 Section 8.3.3 EN 15534-4:2014 Section 4.5.5	Boiling Test (5 hours)	Water Absorption in Weight: Mean: 1.8% Max: 2.2%	Means ≤ 7% Max. ≤ 9%
			Mean Swelling: 0.8% in thickness 0.2% in width 0.1% in length	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling : 1% in thickness 0.2% in width 0.1% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5	28 Days Immersion	Water Absorption: Mean: 1.5% Max: 1.8%	Water Absorption: Means ≤ 7% Max. ≤ 9%
Density	EN 15534-1:2014 Section 6.2	Density	1.31 g/cm3	
	ISO 1183-1:2012 Method A			
Mould Resistance	ASTM G21		Rate 0	
Degree of chalking	EN15534		Rate 0	
Lead content test	Euno .628		Non detected	