



ADESObIT 1600 XAL

A high performance multi-ply prefabricated self adhesive waterproofing membrane consisting of a highly elastic bituminous compound, internally reinforced with a 150 g/m² non woven polyester mat and topped with solar reflective aluminized HDPE co-laminated film.

Tests Performed – As per ASTM	Procedure	Units	Tolerance	Value	
Length		M	<-1%	15	
Width		M	<-1%	1	
Thickness	ASTM D5147	Mm	-0.2mm	1.60	
Membrane Tensile Strength	-Long	ASTM D638	N/mm	Min	12
	-Trans	ASTM D638	N/mm	Min	8.50
Resistance to Tearing	-Long	ASTM D5147	N	Min	565
	-Trans	ASTM D5147	N	Min	500
Film Tensile Strength	-Long	ASTM D638	N/mm ²	Min	20
	-Trans	ASTM D638	N mm ²	Min	18
Film Elongation	-Long	ASTM D638	%	Min	350
	-Trans	ASTM D638	%	Min	300
Adhesion to Primed Concrete	ASTM D1000	N/mm	Min	1.80	
Adhesion to Self	ASTM D1000	N/mm	Min	1.80	
Flexibility at Low Temperature	ASTM D5147	C	Min	-15	
Water Absorption	ASTM D5147	%	Mlv	0.15	
Water Vapour Transmission	ASTM E154	g/24h/m ²	Mlv	<0.10	
Puncture Resistance	ASTM E154	N; mm	Mlv	1050; 70	

Tests Performed – As per CE	Procedure	Units	Tolerance	Value	
Visible Defects	EN 1850-1	No./m ²	0	0	
Length	EN 1848-1	M	<-1%	15	
Width	EN 1848-1	M	<-1%	1	
Straightness	EN 1848-1	Mm	<20mm	Pass	
Mass Per Unit Area	EN 1849-1	kg/m ²	+/- 10%	1.70	
Thickness	EN 1849-1	Mm	-0.2mm	1.60	
Water Tightness to Liquid Water	EN 1928-1	Mlv	>60kPa	Pass	
Tensile Properties : Max Tensile Force-Long	EN 12311-1	N/5cm	-20%	750	
	-Trans	EN 12311-1	N/5cm	-20%	530
Tensile Properties : Elongation	-Long	EN 12311-1	%	-15	40
	-Trans	EN 12311-1	%	-15	45
Resistance to Static Loading (method A)	EN 12730	N	min	20	
Resistance to Impact	EN 12691	mm	mlv	700	
Flexibility at Low Temperature	EN 1109	C	min	-15	
Reaction to Fire	EN 13501-1		Euroclass	F	