

NOVASEAL S.B.S. ANTIROOT

DESCRIPTION

Novaseal S.B.S. ANTIROOT is a modified bituminous membrane reinforced with 200gsm Polyester specially treated with root resistant properties according to EN 13948. The special chemical treatment will not allow plant roots to pierce it and damage the waterproofing system. It is recommended for planter boxes, roof gardens and irrigated planted areas where water retention is essential.



TECHNICAL SPECIFICATIONS

ASTM		Procedure	Units	Tolerance	Value
Length			m	< - 1%	10
Width			m	< - 1%	1
Thickness		ASTM D5147	mm	-0.2mm	4.00
Tensile Properties : Max Tensile Force	Long	ASTM D5147	N/50mm	-20%	900
	Trans	ASTM D5147	N/50mm	-20%	700
Tensile Properties : Elongation	Long	ASTM D5147	%	-15	45
	Trans	ASTM D5147	%	-15	50
Resistance to Tearing	Long	ASTM D5147	N	min	500
	Trans	ASTM D5147	N ^o /m ²	min	400
Lap Joint Strength	Long	ASTM D5147	N/5cm	-20%	900
	Trans	ASTM D5147	N/5cm	-20%	700
Flexibility at Low Temperature *		ASTM D5147	C	min	0
Dimensional Stability at 80°C	Long	ASTM D5147	%	mlv	-0.5
	Trans	ASTM D5147	%	mlv	-0.5
Water Absorption (n/a slate)		ASTM D5147	%	mlv	<0.15

CE		Procedure	Units	Tolerance	Value
Visible Defects		EN 1850-1	N ^o /m ²	0	0
Length		EN 1848-1	m	< - 1%	10
Width		EN 1848-1	m	< - 1%	1.00
Straightness		EN 1848-1	mm	<20mm	Pass
Mass Per Unit Area		EN 1849-1	kg/m ²	+/- 10%	4.70
Thickness		EN 1849-1	mm	-0.2mm	4.00
Water Tightness to Liquid Water		EN 1928-1	mlv	>60kPa	Pass
Tensile Properties : Max Tensile Force	Long	EN 12311-1	N/5cm	-20%	900
	Trans	EN 12311-1	N/5cm	-20%	700
Tensile Properties : Elongation	Long	EN 12311-1	%	-15	45
	Trans	EN 12311-1	%	-15	50
Resistance to Tearing (Nail Shank)	Long	EN 12310-1	N	min	220
	Trans	EN 12310-1	N	min	240
Shear Resistance of Joint	Long	EN 12317-1	N/5cm	-20%	900
	Trans	EN 12317-1	N/5cm	-20%	700
Resistance to Static Loading (method A)		EN 12730	kg	min	20
Resistance to Impact		EN1269	mm	mlv	>700
Flexibility at Low Temperature *		EN 1109	C	min	0
Dimensional Stability	Long	EN1107-1	%	max	-0.5
Flow Resistance less than 2mm		EN1110	C	mlv	100
Reaction to Fire		EN 13501-1	%	Euroclass	F
Root Resistance Chemical Contains 1%		EN 13948	-	-	Conforms