



## DERMABIT 4170 GARDEN

Dermabit 4170 Garden is a modified bituminous membrane reinforced with 180gsm Polyester specially treated with Preventol B2 to give it full root resistant properties according to DIN 4062. 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.

Tests Performed – As per 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%	750
-Trans	ASTM D5147	N/50mm	-20%	550
Tensile Properties : Elongation -Long	ASTM D5147	%	-15	40
-Trans	ASTM D5147	%	-15	45
Resistance to Tearing -Long	ASTM D5147	N	min	550
-Trans	ASTM D5147	N	min	375
Lap Joint Strength -Long	ASTM D5147	N/5cm	-20%	750
-Trans	ASTM D5147	N/5cm	-20%	550
Flexibility at Low Temperature *	ASTM D5147	C	min	0
Dimensional Stability at 80C -Long	ASTM D5147	%	mlv	-0.5
-Trans	ASTM D5147	%	mlv	-0.5
Water Absorption (n/a slate)	ASTM D5147	%	mlv	<0.15
Root Resistance Contains 1% Preventol B2	DIN 4062	-	-	Conforms
Tests Performed – As per CE	Procedure	Units	Tolerance	Value
Visible Defects	EN 1850-1	No./m <sup>2</sup>	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 <sup>2</sup>	+/- 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%	750
-Trans	EN 12311-1	N/5cm	-20%	550
Tensile Properties : Elongation -Long	EN 12311-1	%	-15	40
-Trans	EN 12311-1	%	-15	45
Resistance to Tearing (Nail Shank) -Long	EN 12310-1	N	min	190
-Trans	EN 12310-1	N	min	190
Shear Resistance of Joint -Long	EN 12317-1	N/5cm	-20%	750
-Trans	EN 12317-1	N/5cm	-20%	550
Resistance to Static Loading (method A)	EN 12730	kg	min	20
Resistance to Impact	EN 12691	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

\* Different cold flexibility values can be supplied to special order.