

# DuO High Tech 4 WGG/F C180 FC Landscape



DE BOER WATERPROOFING SOLUTIONS NV  
Metropoolstraat 33, B-2900 SCHOTEN

- \* white/green/grey colored slates
- 1 Upper coating : TPO-plastomer modified bitumen
- 2 Composite reinforcement (180 g/m<sup>2</sup>) of polyester and glasscrim.
- 3 Undercoating : SBS-elastomer modified bitumen
- \*\* sacrificial film

## DESCRIPTION AND APPLICATION

A flexible waterproofing membrane with a dual reinforcement and a double polymeric bitumen coating. The upper coating consists of TPO (Thermoplastic PolyOlefins) -modified bitumen, resulting in a high mechanical resistance and is UV resistant. The undercoating consists of SBS (Styrene Butadiene Styrene) -modified bitumen with high elasticity and strong adhesion properties. The composite reinforcement of polyester & glasscrim (180 g/m<sup>2</sup>) combine to provide strenght and stability. The upper side is finished with an optimally pressed-in mixture of white/green/grey colored slates and the underside is covered with a sacrificial film. The selvedge with a width of 8 cm is coated with SBS modified bitumen to ensure an SBS-SBS seal. This provides an easy application technique and perfectly sealed joints. This membrane has been especially designed for fire-resistant applications and meets the requirements of the class Broof(t1) following ENV 1187. The coating is enriched with root resistant additives and the membrane is therefore especially used as cap sheet for root resistant waterproofing systems (green-roofs) for single or multi-layer torched applications.

## TECHNICAL APPROVALS



BBA n° 98/3537



NL-BSB-BD 007



BC2-310-0296-0123-01



ATG 2825

## PACKING

Length (m)	Weight (kg)	Rolls/pallet 100 x 120 cm	Other dimensions and packing are possible on specific demand.
8	37	23	

## CONSUMER INFORMATION

Rolls have to be stored vertically. For instructions for use and specific roofing specifications we refer to our website : [www.deboer.be](http://www.deboer.be) .



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## TECHNICAL CHARACTERISTICS

Characteristics	Test method / classification	Units	Expression of result	Value / statement
Length x width	EN 1848-1	m x m	MLV $\geq$	8 x 1
Thickness	EN 1849-1	mm	MDV $\pm$ 5%	4
Visual defects	EN 1850-1	-	Pass/No pass	pass
Straightness	EN 1848-1	-	Pass/No pass	pass
External fire performance (1)	ENV 1187	-	In accordance with EN 13501-5	Broof(t1)
Reaction to fire	EN 13501-1	-	In accordance with EN 13501-1	F
Resistance to root penetration (*)	EN 13948	-	Pass/No pass	Pass
Tensile strength (L/T)	EN 12311-1	N/50 mm	MDV $\pm$ 20%	880/880
Elongation (L/T)	EN 12311-1	%	MDV $\pm$ 15	50
Resistance to static loading	EN 12730	kg	MLV $\geq$	L25
Resistance to impact	EN 12691	mm	MLV $\leq$	I10
Dimensional stability	EN 1107-1	%	MLV $\leq$	0,3
Flexibility at low temperature TPO/SBS - initial - after ageing (EN 1296)	EN 1109	$^{\circ}$ C $^{\circ}$ C	MLV $\leq$	-15/-20 -5/-5
Flow resistance at elevated temperature - initial - after ageing (EN 1296)	EN 1110	$^{\circ}$ C $^{\circ}$ C	MLV $\geq$	110 100
Joint strength : shear resistance	EN 12317-1	N/50 mm	MDV $\pm$ 250	750
Water tightness	EN 1928		Pass/No pass	pass
Adhesion of granules	EN 12039	%	MDV $\pm$ 5%	10

(1) Test report

(\*) ATG 2825 from UBAtc

MDV: Manufacturer's Declared Value

MLV: Manufacturer's Limiting Value

NPD: No Performances Declared

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