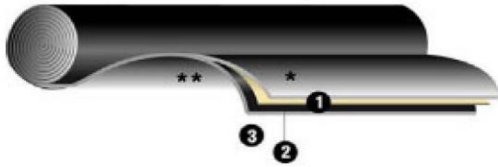


DuO High Tech 4 AGR/F C180 FC - AUS



- * black colored and anthracite granules
- 1 Upper coating : TPO-plastomer modified bitumen
- 2 Composite reinforcement (180 g/m²) of polyester and glassscrim
- 3 Undercoating : SBS-elastomer modified bitumen
- ** sacrificial film

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

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 & glassscrim (180 g/m²) combine to provide strenght and stability. The upper side is finished with an optimally pressed-in mixture of black colored and anthracite granules 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), (t2) and (t4) following CEN/TS 1187. It is especially used as cap sheet for single or multi-layer torched applications.

TECHNICAL APPROVALS



NL-BSB-BD 007



BC2-310-0296-0123-01



UBAtc ATG 1924



MK 6.42/1315



BBA n° 98/3537



Appraisal No. 689 [2016] AU

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 .



DuO High Tech 4 AGR/F C180 FC - AUS



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) (2) (3)	CEN/TS 1187	-	in accordance with EN 13501-5	Broof(t1,t2,t4)
Reaction to fire	EN 13501-1	-	in accordance with EN 13501-1	F
Tensile strength (L/T)	EN 12311-1	N/50 mm	MDV \pm 20 %	880 / 880
Elongation (L/T)	EN 12311-1	%	MDV \pm 15 abs	50 / 50
Resistance to static loading	EN 12730	kg	MLV \geq	L25
Resistance to impact	EN 12691	mm	MLV \geq	I10
Dimensional stability	EN 1107-1	%	MLV \leq	0,3
Flexibility at 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) - under UV (EN 1927)	EN 1110	$^{\circ}$ C $^{\circ}$ C $^{\circ}$ C	MLV \geq	110 100 NA
Softening point TPO coating	R & B	$^{\circ}$ C	MLV \geq	145
Joint strength: peel resistance	EN 12316-1	N/50 mm	MDV \pm 50	225
Joint strength: shear resistance	EN 12317-1	N/50 mm	MDV \pm 250	750
Watertightness	EN 1928	-	Pass/no pass	Pass
Adhesion of granules	EN 12039	%	MDV \pm 5 %	10

- (1) Test report: ATG 1924 from BUTgb
 (2) Test report: MK 6.42/1315 from ETA Denmark
 (3) Classification Report No. 18653B WarringtonFireGent

MDV: Manufacturer's Declared Value
 MLV: Manufacturer's Limiting Value
 NPD: No Performance Declared
 NA: Not Applicable

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 Version: 5