

DuO High Tech 4 WGG/F C180 Aero FC



- * white/green/grey colored slates
- 1 Upper coating : TPO-plastomer modified bitumen
- 2 Composite reinforcement (180 g/m²) of polyester and glasscrim.
- 3 Undercoating : SBS-elastomer modified bitumen
- ** polypropylene fleece + stripes + sacrificial film

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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/m²) combine to provide strength 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 heat resistant polypropylene fleece. On this fleece ribbon strips in a soft elastomeric bitumen are applied. These strips have a width of 55 mm and an interval of 43 mm. The length of the strips is ± 95 cm and they assure a bonding of min. 50% of the surface with the underground. The area between the ribbons constitute ducts that allows any vapour pressure to diffuse all over the roof surface. The selvedge with a width of 10 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) following ENV 1187 and achieved an EXT.F.AA rating in accordance with BS 476-3. It is especially used as cap sheet for single layer for partially torched applications.

TECHNICAL APPROVALS



UBAtc ATG 1924



BBA n° 98/3537



NL-BSB-BD 007



BC2-310-0296-0123-01



MK 6.42/1315

PACKING

Length (m)	Weight (kg)	Rolls/pallet 100 x 120 cm	Other dimensions and packing are possible on specific demand.
8	40	20	

CONSUMER INFORMATION

Rolls have to be stored vertically. For instructions for use and specific roofing specifications we refer to our website : 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 +0,8(ribbons)
Visual defects	EN 1850-1	-	Pass/No pass	pass
Straightness	EN 1848-1	-	Pass/No pass	pass
External fire performance (1) (2) (3)	ENV 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	50
Resistance to static loading	EN 12730	kg	MLV \geq	L25
Resistance to impact	EN 12691	mm	MLV \leq	110
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 1924 from UBAtc
 (2) Test report MK 6.42/1315 from ETA Denmark
 (3) EXT.F.AA rating in accordance with BS 476-3

MDV: Manufacturer's Declared Value
 MLV: Manufacturer's Limiting Value
 NPD: No Performances Declared

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