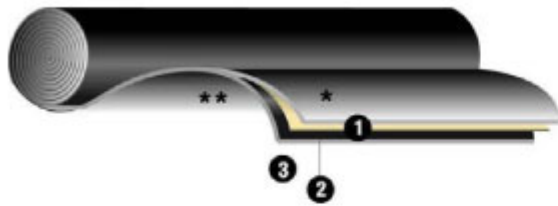


# DuO High Tech 4 AGR/PP C180 FC NoFlame



- \* black colored and anthracite granules
- 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
- \*\* polypropylene fleece

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 & 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 black colored and anthracite granules and the underside is covered with a polypropylene fleece. 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(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 or multi-layer application with cold glue.

## TECHNICAL APPROVALS



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	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) .

## DuO High Tech 4 AGR/PP C180 FC NoFlame


  
**No flame**


## 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)	ENV 1187	-	In accordance with EN 13501-5	Broof(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 MK 6.42/1315 from ETA Denmark

(2) EXT.F.AA rating in accordance with BS 476-3

MDV: Manufacturer's Declared Value

MLV: Manufacturer's Limiting Value

NPD: No Performances Declared

JOHAN PASTUER - Responsible Knowledge Centre Roof Techniques



Last modification: 2013-07-01

Version 6