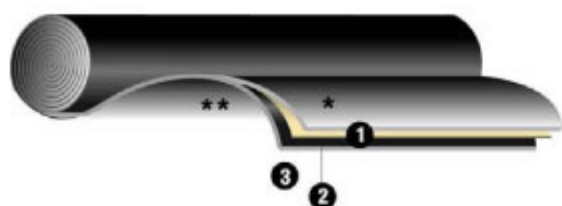


# DuO High Tech 4 WGG/F C180 FC Landscape



- \* 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

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 & glass scrim, (180 g/m<sup>2</sup>) 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 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 application.

## TECHNICAL APPROVALS



BBA n° 98/3537



NL-BSB-BD 007



BC2-310-0296-0123-01



ATG 2825

## PACKING

| Length (m) | Weight (kg) | Rolls/pallet<br>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 WGG/F C180 FC Landscape



## 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<br>- initial<br>- after ageing (EN 1296)  | EN 1109                      | $^{\circ}$ C<br>$^{\circ}$ C | MLV $\leq$                    | -15/-20<br>-5/-5  |
| Flow resistance at elevated temperature<br>- initial<br>- after ageing (EN 1296) | EN 1110                      | $^{\circ}$ C<br>$^{\circ}$ C | MLV $\geq$                    | 110<br>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

JOHAN PASTUER - Responsible Knowledge Centre Roof Techniques

Last modification: 2013-10-16

Version: 9