



WATERPROOFING

APPLICATIONS

ROOFING

# DUO High Tech

## 4 WGG/F C180 FC LANDSCAPE

TECHNICAL DATA SHEET

APTDS-E-167-01

### DESCRIPTION

DuO High Tech 4 WGG/F C180 FC LANDSCAPE is flexible waterproofing membrane with a dual reinforcement and a double polymeric bitumen coating. The upper coating is made of TPO-modified bitumen; the undercoating consists of SBS-modified bitumen. 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 coating is enriched with root resistant additives.

### FEATURES

- Weatherproof and UV resistance
- High mechanical resistance with TPO-modified bitumen
- High elasticity and strong adhesion with SBS-modified bitumen
- 8cm seldedge of SBS-modified bitumen to ensure SBS-SBS seal on joints
- Fire resistant (class Broof(t1) and (t4) following CEN/TS 1187)
- Root resistant

### AREA OF USE

#### ROOFING

- Cap sheet for single or multi-layer root-resistant roof systems (green roofs): torched application

### STORAGE AND PACKAGING

	DUO HIGH TECH 4 WGG/F C180 FC LANDSCAPE
Thickness (mm)	4
Length (m)	8
Width (m)	1
Weight/roll (kg)	37
Rolls/pallet	23

Rolls must be stored vertically.





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### PROPERTIES

		DUO HIGH TECH 4 WGG/F C180 FC LANDSCAPE	Test method
Thickness (mm)		4 (± 5 %)	EN 1849-1
Length x width (mxm)		8 x 1	EN 1848-2
Visual defects		Pass	EN 1850-1
Straightness		Pass	EN 1848-1
External fire performance (1) (2) (3)		Broof (t1,t4)	CEN/TS 1187
Fire resistance		F	EN 13501-1
Tensile strength (N/5cm)		880 / 880 (± 20 %)	EN 12311-1
Elongation to break (%)		50 / 50 (± 15 abs)	EN 12311-1
Resistance to root penetration		Pass	EN 13948
Water vapour properties (μ)		NA	EN 13707
Resistance to static loading (kg)		L25	EN 12730
Resistance to impact (mm)		I10	EN 12691
Tear resistance (N)		NA / NA (± 50)	EN 12310-1
Dimensional stability (%)		0,3	EN 1107-1
Flexibility at low temperature (°C)	• initial	-15/-20	EN 1109
	• after ageing	-5/-5	EN 1296
	• after UV	NA	EN 1927
Flow resistance at elevated temperature (°C)	• initial	110	EN 1110
	• after ageing	100	EN 1296
	• after UV	NA	EN 1927
Joint strength: peel resistance (N/5cm)		225 (± 50)	EN 12316-1
Joint strength: shear resistance (N/5cm)		750 (± 250)	EN 12317-1
Watertightness		Pass	EN 1928
Watertightness after stretching at low temperature (%)		NA	EN 13897
Adhesion of granules (%)		5 (± 5 %)	EN 12039

