

Duo HT 4 Slates/F C180 Aero



Technical approvals: Butgb ATG 1924, KOMO certificate, CTG-056, NL-BSB, BBA no 98/3537

BRANZ Appraised
Appraisal No.685 [2010]

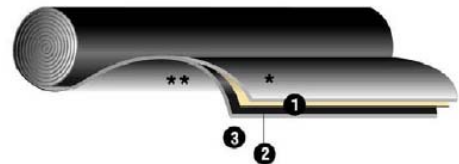
Description & Application:

A flexible waterproofing membrane with a dual reinforcement and a double polymeric bitumen coating. The upper coating consists of APAO (Amorphous Poly Alpha Olefins) - modified bitumen, resulting in a high mechanical resistance and is UV resistant. The undercoating consists of SBS (Styrene Butadiene Styrene) - modified with high elasticity and strong adhesion properties. The selvedge is coated with SBS modified bitumen to ensure a SBS-SBS seal. This provides an easy application technique and perfectly sealed joints.

The composite reinforcement of polyester and glass scrim, (180 g/m²) combine to provide strength and stability. The upper side is finished with mechanically pressed in, coloured slates; and the underside is finished with a heat resistant polypropylene film. On this film ribbon strips in a soft elastomeric bitumen are applied. These strips have a width of 65mm and an interval of 60mm. The length of the strips is ± 50cm and assure a bonding of 50% of the surface to the underground. The area between the ribbons constitute ducts that allow any vapour pressure to diffuse all over the roof surface. Especially designed for single layer, partially bonded systems.

Packaging:

Roll size: 1x8 m
Roll weight: 40 kg
Number of rolls on a pallet: 20



- * Upper finishing: coloured slates
- 1. Upper coating in APAO plastomeric bitumen.
- 2. Composite reinforcement 180 g/m² of polyester and glass scrim
- 3. Under coating in SBS elastomeric bitumen
- ** Polypropylene film + ribbons + sacrificial film

Technical Data:

Test (Units)	Mean results	Method
Ring & ball (°C) APAO top coating SBS under coating	154.5 128	MOAT 30:6G MOAT 31:6G
Low temperature flexibility (°C) APAO top coating SBS under coating	-15 -20	EN 1109 EN 1109
Heat resistance (°C)	≥ 110	EN 1110
Fatigue cycling	pass	MOAT 64 :4.3.5
Tensile strength (N/50mm) Longitudinal Transversal	1101 702	MOAT 30:6C MOAT 30:6C
Elongation at break (%) Longitudinal Transversal	65 56	MOAT 30:6C MOAT 30:6C



Technical Data continued:

Test (Units)	Mean results	Method
Tear resistance (N)		
Longitudinal	229	MOAT 27:5.4.1
Transversal	260	MOAT 27:5.4.1
Dimensional stability (%)		
Longitudinal	-0.3	MOAT 27:5.1.6
Transversal	-0.2	MOAT 27:5.1.6
Static indentation	L ₂₅	EN 12730
Dynamic indentation	I ₁₀	EN 12691

Health & Safety:

Duo Bitumen Primer is solvent-based and must be used with adequate ventilation. Remove all naked flames and sources of ignition. Adequate ventilation is required to minimise exposure to bitumen fumes during the torching process. Material Safety Data Sheet (MSDS) must be read and understood prior to use of product.

Storage:

Duo rolls should be stored in a dry area, always in an upright (vertical) position. Do not lay rolls flat (horizontal) when storing.

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