

Duo B&T 4 Gran/F C250



Technical approvals: BUtgb ATG 2401 - tested for 5mm version only.



Description & Application:

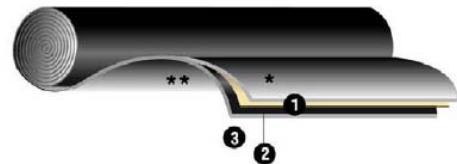
A flexible waterproofing membrane with a dual reinforcement and a double polymeric bitumen coating. The upper coating consists of APAO (Amorphous Poly Alpha Olefins) - modified bitumen, resulting in a high mechanical resistance and is UV resistant. The undercoating consists of SBS (Styrene Butadiene 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, (250 g/m²) combine to provide strength and stability. The upper side is finished with mechanically pressed in, granules; and the underside is finished with a sacrificial film.

This membrane has been especially designed to be used under a protective layer of hot rolled asphalt.

Packaging:

Roll size: 1x8 m
Roll weight: 36 kg
Number of rolls on a pallet: 25



- * Mechanically pressed in granules
- 1. Upper coating in APAO plastomeric bitumen.
- 2. Composite reinforcement 250 g/m² of polyester and glass scrim
- 3. Under coating in SBS elastomeric bitumen
- ** Sacrificial film

SLBPMI Classification (only tested for 5 mm thickness):

S (Substrate):	S_{I,II,III}	Concrete, Polymer Concrete (PC), Polymer Cement Concrete (PCC)
L (protective Layer):	L(B_{1,C})	Hot Rolled Asphalt (type AB 3C, AB2C)
B (crack Bridging):	B₂	> 2 mm (static test), 1-3 mm (dynamic test)
P (Puncture resistance):	P₆	Accessible for construction vehicles >3.5 T
M (Moisture trapping):	Not relevant	
I (Inclination):	I(6)	Max. inclination of support 6%



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
Tear resistance (N) Longitudinal Transversal	229 260	MOAT 27:5.4.1 MOAT 27:5.4.1
Dimensional stability (%) Longitudinal Transversal	-0.3 -0.2	MOAT 27:5.1.6 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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