TECHNICAL DATASHEET

DuO HT 4 AGR/F C180 FC MECANO

Description

Membrane composed of a double bitumen coating with fire-retardant additives and a composite polyester reinforcement.
The plastomer modified bitumen (TPO) upper side has a high mechanical resistance and is UV-resistant while the elastomer modified bitumen lower side and the overlap ensures good adhesion.
Used as a mechanically fastened single layer waterproofing system where fire retardant properties are required.
The upper surface is finished with granules and the 13 cm overlap is protected by a thermofusible film.
The lower surface is protected by a thermofusible film.

Characteristics

Composition	Standard	Unit	Value	Tolerance
Reinforcement			composite polyester	
Reinforcement mass		g/m²	180	± 15 %
Finish upper side			granules	
Colour			black and anthracite	
Finish lower side			thermofusible film	
Coating mass upper side			plastomer modified bitumen (TPO)	
Coating mass lower side			elastomer modified bitumen	
Technical characteristics				
Thickness membrane finish	EN 1849-1	mm	4,4	± 5 %
Thickness overlap (indicative)	EN 1849-1	mm	3,6	
Mass (indicative)	EN 1849-1	kg/m²	5,1	
Tensile force (L / T)	EN 12311-1	N/50 mm	880 / 880	± 20 %
Elongation at max. tensile force (L / T)	EN 12311-1	%	50 / 50	± 15
Resistance to root penetration	EN 13948		NPD	
Resistance to static loading	EN 12730-A EN 12730-B	kg	≥ 25 ≥ 25	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 1000 ≥ 1000	
Dimensional stability	EN 1107-1	%	≤ 0,3	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	335 / 335	± 25 %
Flexibility at low temperature (U / L)	EN 1109	°C	≤ -15/-20	
Flexibility at low temperature after aging (U / L)	EN 1109 / EN 1296	°C	-5/-5	-15/+0
Flow resistance at elevated temperature	EN 1110	°C	≥ 110	
Flow resistance at elevated temperature after aging	EN 1110 / EN 1296	°C	100	-0/+20
Joint properties: peel resistance	EN 12316-1	N/50 mm	235	± 25 %
Joint properties: shear resistance	EN 12317-1	N/50 mm	670	± 25 %
Watertightness	EN 1928	kPa/24 h	≥ 10	
Reaction to fire	EN 13501-1	Class	E	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 5 / 8 / 10 x 1	
Mass/roll		kg	± 26 / 41 / 51	
Rolls/pallet			36 / 23 / 20	

NPD = no performance determined

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TDS-NE-WPBBE0435.f/EN

Installation

- Mechanically fastened in the overlap, overlaps torched.

Certifications

- ATG 1924 (B)
- CTG 731 (NL)
- MK 6.42/1315 (DK)
- BBA 20/5843 (UK)
- Meets classification Broof(t1) and (t2) according to EN 13501 part 5.
See certificates for more information.

Special indications

Hygiene, Health and Environment
The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.
For more information, please refer to the relevant safety data sheet.

Quality-, Environment- and Safety Management
SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with
EN ISO 9001 and **EN ISO 14001**.

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