Professional 20 Minerale Fire Defence

Description	High performance APAO modified bitumen BRoofT2 / BRoof T3 membrane with fire retardant agent for roofing works. This product is designed as top layer in single layer and multi layer waterproofing systems, for both new roofing works and refurbishment works
CE	Single layer flat roofing systems in accordance with EN13707.
Field of use	Exposed not-accessible roofs, technical roofs exposed or under heavy protection.
Certifications and Agreements	External fire performance BRoof T2 /Broof T3 . CE marking - FPC certificate number 1370-CPR-0042
Composition	**Top Surface**: Mineral slate or coloured Granules or White reflective Refleval granules **Back Surface**: Film or PP non-woven **Reinforcement**: Polyester reinforced with fiber glass
Method of application	Fully torch applied or glued with Valcoat adhesive glue



Dimension and packaging

Professional 20 Minerale FD	
Thickness (mm)	4,0 on selvedge
Weight (kg/m2)	5,2
Rolls (m)	1x8

Property	Test Method	Unit	Value	Tollerance
Lenght	EN 1848-1	m	8,0	-1%
Width	EN 1848-1	m	1,0	-1%
Thickness on selvedge	EN 1849-1	mm	4,0	±0,2
Weight	EN 1849-1	Kg/m2	5,2	±15%
Tensile strength at max	EN 12 311-1	L x T (N/50mm)	900/700	±20%
Elongation at max	EN 12 311-1 1999	L x T (%)	50/50	-15
Nail tearing resistance	EN 12 310-1	L x T (N)	200/200	-30%
Static load	EN 12 730	Kg	25	≥
Resistance to impact	EN 12691	mm	1250	≥
Joints Shear resistance	EN 12317-1	N / 50mm	700	-20%
Flexibility at low temperature	EN 1109	(°C)	-20	≤
Flow resistance at elevated temperature	EN 1110	(°C)	140	≥
Flow resistance at elevated Temperature after thermal aeging	EN1296 EN 1110	(°C)	130	-10
Dimensional stability	EN 1107-1	%	±0,3	≤
Watertightness	EN 1928-B	kPa	60	≥
Mineral surface adhesion	EN 12039	%	30	≥
Reaction to fire	EN 13501-1	-	E	-
External fire performance (1)	EN 13501-5	-	BRoof T2 / BRoof T3*	-

(1)	Single layer system over combustible substrate with bitumen facing and over incombustible substrate. *Broof T3 in the systems indicated as per certification available upon request.
Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.
Modifications	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the updated technical data sheet, please contact our technical department.

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