PrinciPal
BUILDING PRODUCTS

Data Sheet

Ala APP Mineral Felt

Product Description

elastoplastomeric polymer bitumen membrane, compound in distilled bitumen modified with high molecular weight polymer, reinforced with nonwoven spunbond polyester fabric, glass stabilized, top face coated with hot-bonded slate granules.

CHARACTERISTIC	EN DRC	UNIT	VALUE		TOL
Visible Defects	EN 1850-1	-----	pass		-----
Thickness	EN 1849-1	mm			npd
Areic Mass	EN 1849-1	kg/m²	4 / 4,5 / 5		-10%
Width and Length	EN 1848-1	m	1,00	8,00	-1%
Straightness	EN 1848-1	mm	max 20		pass
Max Tensile Force (L / T)	EN 12311-1	N/5cm	500	350	-20%
Elongation (L / T)	EN 12311-1	%	40	40	-15 abs
Resistance to Tearing (L / T)	EN 12310-1	N/5cm	140	160	pass
Resistance to Static Loading	EN 12730-A	kg	15		pass
Resistance to Impact	EN 12691	mm	700		pass
Joint Strenght (L / T)	EN 12317-1	N/5cm			npd
Peel Resistance of Joint	EN 12316-1	N/5cm			npd
Pliability (Cold Flexibility)	EN 1109	℃	0		pass
Pliability (Aged)	EN 1296	℃			npd
Uv Ageing (Visible Defects)	EN 1297	-----	pass		npd
Watertightness	EN 1928	kPa	60		pass
Water Vapour Permeability	EN 1931	μ x 1.000	20 (default)		npd
Water Vapour Permeability (Aged)	EN 1296	μ x 1.000			npd
Flow resistance (New / Aged)	EN 1110	℃	120	120	pass
Dimensional Stability (L / T)	EN 1107-1	%	-0,25	+0,15	pass
Root Resistance	EN 13948	-----			npd
External Fire Performance	EN 13501-5	classe	F(roof)		npd
Reaction to Fire	EN 13501-1	classe	F		npd
Adhesion of Granules (Mineral Version)	EN 12039	%	≤ 30		pass

Topside Finish	slate chips/granules (mineral self-protection)
Underside Finish	thermo-fusible polyethylene film

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