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CE 1381-CPR-376

Technical data sheet

Product trade name	Finishing	
DERMAFIL 50250 GS POL 5 MM	SAND	POLYETHYLENE

Coatings Type	Carrier Type	Rev
APP	GS Polyester	05/2021

Description of product

Reinforced bitumen sheets for waterproofing to be applied by torching.

Systems

EN 13707 - Multilayer system without permanent surface protection - underlay - EN 13707 - Multilayer system without permanent surface protection - top layer - EN 13707 - Multilayer system under permanent heavy protection - underlayer - EN 13707 - Multilayer system under permanent heavy protection - top layer - EN 13969 - A - Bitumen damp proof sheet - EN 13969 - T - Bitumen Tanking sheet - EN 14695 - Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete

Characteristic	Test method	Units	Expression of result	Value
Visible difects	EN 1850 -1	Statement	Pass	Pass
Length	EN 1848 -1	m	MLV	8-1%
Width	EN 1848 -1	m	MLV	1-1%
Straightness	EN 1848 -1	Statement	Pass < 20mm/10m	Pass
Thickness	EN 1849 -1	mm	MLV	5
Mass per unit area	EN 1849 -1	Kg/m^2	MDV ±10%	-
Watertightness	EN 1928:2000 MET A	Statement	Pass >60 kPa	Pass
External fire performance	EN 13501-5	Class	Pass	F roof
Reaction to fire	EN 13501-1	Class	Pass	F
Tensile properties:maximum tensile force L/T	EN 12311-1	N/50 mm	MDV ±20%	1200 900
Tensile properties:elongation L/T	EN 12311-1	%	MDV±15 abs	45 45
Resistance to tearing (nail shank) L/T	EN 12310-1	N	MDV±30%	200 220
Resistance to impact	EN 12691 / A	mm	MLV	1750
Resistance to static loading	EN 12730-1 / B	kg	MLV	25
Flexibility at low temperature	EN 1109	°C	MLV	-15
Flow resistance at elevated temperature	EN 1110	°C	MLV	130
Dimensional stability	EN 1107-1	%	MLV	±0,2%
Artificial aging by long term exposure to elevated temperature	EN 1296	Δ°C	MDV	10/10
Flexibility at low temperature	EN 1109	°C	MLV	-5
Flow resistance at elevated temperature	EN 1110	°C	MLV	120
Artificial aging by combination of UV radiation and water	EN 1297	Statement	Pass	Pass
Water vapour transmission properties	EN 1931	μ	MDV±30% or 20.000	20.000
Peel resistance of joints	EN 12316-1	N/50 mm	MDV	NPD
Shear resistance of joints	EN 12317-1	N/50 mm	MLV	850/650
Durability-Watertightness after artificial ageing	EN 1296 - EN 1928	Statement	Pass	Pass
Durability - Watertightness after exposur	EN 1847 - EN 1928	Statement	Pass	Pass
Initial amount of mineral surface protection	EN 12039 - Annex B	g/m^2	MDV	NPD
Water absorption	EN 14223	%	MLV	1,5
Dimensional stability at high temperature	EN 14695 - Annex B	%	MLV	±1,0%
Bond strenght	EN 13596 - T1	N/mm^2	MLV	0,4
Shear strenght	EN 13653 - T3	N/mm^2	MLV	0,2
Crack bridging ability	EN 14224 - T3	°C	MLV	NPD
Compatibility by heat conditioning	EN 14691 - T3	%	MLV	80
Resistance to compaction of an asphalt layer	EN 14692 - Met 1 - T3	Statement	Pass	Pass
Behaviour during application of mastic asphalt	EN 14693 - T3	% - mm - nr	MLV	20 - 0,3 - 20
Watertightness with pretreatment	EN 14694	Statement	Pass	Pass
Chemical resistance	EN 13707 All. C	Information	Tab. C1&C2	Tab. C1&C2

number of rolls per pallet: 23

All tollerances as per EN 13707, EN 13969, EN 14695, EN 13859-1, EN 13970 and Linee Guida AISPEC-MBP. MLV:Manufacturing limit value; MDV: Manufactured declared value; NPD : No Performance Determined. This datasheet contains information that can be potentially changed without notice by CASALI. For a correct use of the product refers to the technical documentation of the supplier.

The product does not contain asbestos, asphalt within the meaning of D.LGS(legislative decree) n° 285/98