PRODUCT DATA SHEET

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CE

TS EN 13956

PVC MEMBRANE

RU-P

Document number: PDS-360-01
Publication Date: 26.04.2018 Revision date: 25.10.2022

DESCRIPTION	Reinforced PVC membrane obtained by mixture of PVC resin, plastifican stabilizer, additional UV and coloring substances. Not compatible with bitumen
PRODUCT COMPOSITION	PVC, coloring substances, UV additive, filler and chemicals, Polyester reinforcement
USAGE	Used for waterproofing in open roofs (exposed to external influences), light metal roofs, heat insulated or uninsulated roofs, dome or different geometrical concrete/steel roofs; by applying with hot air machine and mechanical fixation
APPLICATION METHOD	Mechanical fixation - Hot Air Machine
TOP SURFACE	Light gray PVC layer
BOTTOM SURFACE	Black PVC layer
STORAGE	Keep away from direct sunlight
ECOLOGICAL DATA	Can be used in natural atmosphere

TEST	UNIT	TEST METHOD	DECLARED VALUES RU-P 120	DECLARED VALUES RU-P 150	DECLARED VALUES RU-P 180	DECLARED VALUES RU-P 200
VISIBLE DEFECTS	-	EN 1850-2	PASS	PASS	PASS	PASS
THICKNESS	mm	EN 1849-2	1,2 (±%5)	1,5 (±%5)	1,8 (±%5)	2,0 (±%5)
LENGTH	m	EN 1848-2	20 (+%5)	20 (+%5)	20 (+%5)	20 (+%5)
WIDTH	m	EN 1848-2	2,20 (-%0.5, +%1)	2,20 (-%0.5, +%1)	2,20 (-%0.5, +%1)	2,20 (-%0.5, +%1)
STRAIGHTNESS	mm	EN 1848-2	≤ 50	≤ 50	≤ 50	≤ 50
FLATNESS	mm	EN 1848-2	≤ 10	≤ 10	≤ 10	≤ 10
MASS PER UNIT AREA	kg/m²	EN 1849-2	1,50 (-%5,+%10)	1,90 (-%5,+%10)	2,30 (-%5,+%10)	2,65 (-%5,+%10)
TEAR RESISTANCE	N	EN 12310-2	Min. 200	Min. 200	Min. 200	Min. 200
JOINT SHEAR RESISTANCE	N/5 cm	EN 12317-2	Min. 1000	Min. 1000	Min. 1000	Min. 1000
JOINT PEEL RESISTANCE	N/5 cm	EN 12316-2	Min. 200	Min. 200	Min. 200	Min. 200
TENSILE STRENGTH	N/5 cm	EN 12311-2	Longitudinal: min.1100	Longitudinal: min.1100	Longitudinal: min.1100	Longitudinal: min.1100
			Transversal: min.1000	Transversal: min.1000	Transversal: min.1000	Transversal: min.1000
ELONGATION AT BREAK	%	EN 12311-2	Longitudinal: min.15	Longitudinal: min.15	Longitudinal: min.15	Longitudinal: min.15
			Transversal: min.15	Transversal: min.15	Transversal: min.15	Transversal: min.15
RESISTANCE TO STATIC LOAD	kg	EN 12730	≤ 20	≤ 20	≤ 20	≤ 20
WATERTIGHTNESS	-	EN 1928 Method B	Waterproof	Waterproof	Waterproof	Waterproof
UV EXPOSURE (5000h)	-	EN 1297	PASS	PASS	PASS	PASS
FOLDABILITY AT LOW TEMPERATURE	°C	EN 495-5	≤ -25	≤ -25	≤ -25	≤ -25
DIMENSIONAL STABILITY	%	EN 1107-2	Longitudinal: ≤ -0.5	Longitudinal: ≤ -0.5	Longitudinal: ≤ -0.5	Longitudinal: ≤ -0.5
			Transversal: ≤ 0.5	Transversal: ≤ 0.5	Transversal: ≤ 0.5	Transversal: ≤ 0.5
RESISTANCE TO IMPACT	mm	EN 12691	≤ 400	≤ 500	≤ 700	≤ 800
REACTION TO FIRE	Class	EN 13501-1	E	E	E	E
EXTERNAL FIRE PERFORMANCE	-	ENV 1187	Broof (T1)(T2)	Broof (T1)(T2)	Broof (T1)(T2)	Broof (T1)(T2)
WATER VAPOR TRANSMISSION PROPERTIES	μ	EN 1391	20000 ± %30	20000 ± %30	20000 ± %30	20000 ± %30
HAIL RESISTANCE	m/s	EN 13583	RIGID SUBSTRATE ≥ 17	RIGID SUBSTRATE ≥ 17	RIGID SUBSTRATE ≥ 17	RIGID SUBSTRATE ≥ 17
			SOFT SUBSTRATE ≥ 25	SOFT SUBSTRATE ≥ 25	SOFT SUBSTRATE ≥ 25	SOFT SUBSTRATE ≥ 25

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