



Monarplan FM



EN 13956

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1349-CPD-066

Technical Product Data

Characteristic	Value of statement	Tolerance	Test Method
Visible defects	pass	-	EN 1850-2
Length	15 / 20 m	-0/+5 %	EN 1848-2
Width	1,06 / 1,50 / 1,60 / 2,12 m	-0,5/+1 %	EN 1848-2
Straightness	≤ 30 mm	-	EN 1848-2
Flatness	≤ 10 mm	-	EN 1848-2
Mass per unit area	1,57 / 1,95 / 2,34 / 2,55 kg/m ²	-5/+10 %	EN 1849-2
Effective thickness	1,2 / 1,5 / 1,8 / 2,0 mm	-5/+10 %	EN 1849-2
Water tightness	pass	-	EN 1928 (B)
External fire performance	Broof t1 *	-	ENV1187 & EN 13501-5
Reaction to fire	Class E	-	EN 13501-1
Joint peel resistance	≥ 185 N/50 mm	-	EN 12316-2
Tensile strength	≥ 1000 N/50 mm MD ≥ 900 N/50 mm CD	-	EN 12311-2 (A)
Elongation	≥ 15 %	-	EN 12311-2 (A)
Resistance to impact	≥ 500 mm	-	EN 12691 (A / B)
Tear resistance	≥ 200 N	-	EN 12310-2
Dimensional stability	≤ 0,5 %	-	EN 1107-2
Foldability at low temperature	≤ -30 °C	-	EN 495-5
UV exposure	pass	-	EN 1297
Hail resistance	≥ 17 m/s	-	EN 13583
Water vapour properties	20.000	± 30 %	EN 1931

* For more details on tested roofing systems, please contact Icopal Synthetic Membranes bv.

Description of product

Monarplan FM is a single-ply, mechanically fastened roofing system with polyester reinforcement. Monarplan FM is made of polyvinylchloride (PVC-P) incompatible with bitumen.

Type of application

Exposed or covered sheets according to application guidelines Icopal Synthetic Membranes bv.

Colour

Standard:

Light grey and Anthracite (top)
Anthracite and Black (bottom)

Other colours:

Green, White, Red, Blue and Turquoise:
Special orders / on demand possible