CE Certificate No. 1213-CPR-019

POLYFIN Waterproofing Systems

M-2602/102-01-GS

Polyfin DUO 3018 GS

Product	Synthetic roofing sheet with scrim-reinforced glass-fibre reinforcement, FPO, bitumen compatible FM Approved
Top side	white
Bottom side	black
Intended use	• Roof waterproofing sheet loose laid with ballast and below other utility layers • Exposed roof waterproofing sheet mechanically fastened
Standard	EN 13956, FM Global
Application	Hot air welding method
Packaging	18 rolls of 20m x 1.5m = 540 m² per pallet

Characteristics	Testing method	Unit	Result
Visible defects	EN 1850-2	-	keine
Length	EN 1848-2	m	20,0
Width	EN 1848-2	m	1,5
Straightness	EN 1848-2	mm	≤ 30
Flatness	EN 1848-2	mm	≤ 10
Thickness	EN 1849-2	mm	1,8
Mass per unit area	EN 1849-2	kg/m²	2,0
Watertightness (Verf. B)	EN 1928	kPa	≥ 500
External fire exposure	EN 13501-5		Broof(t1) [1]
Reaction to fire test	EN 13501-1	Klasse	E
Hail resistance (rigid substrate)	EN 13583	m/s	≥ 23
Hail resistance (flexible substrate)	EN 13583	m/s	≥ 30
Peel resistance of joints	EN 12316-2	N/50 mm	≥ 250
Shear resistance of joints long./trans.	EN 12317-2	N/50 mm	≥ 650
Water vapour transmission	EN 1931	µ	120.000
Tensile force long./trans.	EN 12311-2	N/50 mm	≥ 1000
Elongation at single-end breaking force	EN 12311-2	%	≥ 20
Resistance to impact (rigid substrate)	EN 12691	mm	≥ 500
Resistance to impact (flexible substrate)	EN 12691	mm	≥ 1250
Resistance to static loading	EN 12730	kg	≥ 20
Resistance to tearing (nail shank) long./trans.	EN 12310-2	N	≥ 350
Dimensional stability	EN 1107-2	%	≤ |0,3|
Foldability	EN 495-5	°C	≤ -40
Root resistance	EN 13948/FLL-Prüfverfahren		passed
UV-exposure	EN 1297	> 5000 h	passed (Class 0)
SRI (Solar Reflectance Index)	ASTM E 1980	SRI	> 90

[1] according to certified system

The declared data are indices based on the statistical quality control and refer to the date of production. Consider state of the art, standards, legal provisions and guidelines for the suitability of the mentioned field of application and application method. All specifications are without obligation. The user must assess the suitability of the product for the particular purpose and ensure the user´s access to the current version of the product data sheet.

Subject to alteration without notice.

Storage conditions: The products have to be stored in original packaging, being protected from direct sun light, UV-beams and extreme conditions like heat, frost, moisture, etc. During cold season store the products in a frost-free area (+5°C) for 12 hours before application.

Development, Production and Sales of our products according to ISO 9001.