Water-Stop

Waterproof membrane

Description

Plastic membrane (EVA C) with synthetic fibre nonwoven on both faces, for waterproofing floors and walls on flat roofs, terraces, balconies, swimming pools, planters, fountains, and other exterior surfaces and interior wet areas.

Features

- High mechanical bond
- Bridges cracks and allows small movements
- Minimum installation height
- Lightweight and safe
- More flexible than most waterproofing membranes
- Very easy to install
- Suitable for both new build and renovation
- Cost-effective and reliable solution

Technical data

- Weight/m2 (g): 250
- Width (m): 1, 1.5, 2, 3
- Length (m): 5, 10, 20, 30, 40
- Pull-out resistance: >= 0.7 N/mm2 = >= 70 tonnes/m2

Manufacturer

Estil Guru S.L.U

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Product

Ref.	Description	Size	Area	Roll weight
IF55039	Water-Stop bag	1,5 x 2 m	3 m²	1 kg
IF51000	Water-Stop roll	1 × 5 m	5 m²	1,6 kg
IF51013	Water-Stop roll	1 × 10 m	10 m²	3,2 kg
IF52000	Water-Stop roll	1 × 30 m	30 m²	8,7 kg
IF54000	Water-Stop roll	1,5 × 20 m	30 m²	8,7 kg
IF53000	Water-Stop roll	2 × 20 m	40 m²	11,7 kg
IF63000	Water-Stop roll	3 x 20 m	60 m²	15,6 kg
IF53040	Water-Stop roll	2 × 40 m	80 m²	23,4 kg

Water-Stop Waterproof membrane

Test table Essential features in accordance with Annex ZA of the standard:

Features	Method	Unit	Tolerancia	Value
Watertightness to water	EN 1928	-	-	Pass
Reaction to fire	EN 13501-5	Class	-	E
Tensile properties:				
Tensile strength: L // T *1	EN 12311-2 (A)	N/50 mm	-	≥200 // ≥200
Elongation: L // T		%	-	≥50// ≥80
Resistance to static load	EN 12730 (B)	Kg	-	≥20
Impact resistance	EN 12691 (A)	mm	-	≥200
Joint resistance:				
Peel resistance	EN 12316-2	N/50 mm	-	PND
Shear resistance	EN 12317-2	N/50 mm	-	PND
Low-temperature flexibility	EN 495-5	ºC	-	-20
UV + temperature + water exposure	EN 1297	class	-	PND

*1 Test direction: L - longitudinal // T - transverse

Additional regulatory information

Characteristics	Method	Unit	Tolerance	Value
Visible defects	EN 1850	m	-	Pass
Length	EN 1848-2	m	+5%	2/5/10/20/30/40
Width		m	-0,5% // +1%	1/1,5/2/3
Mass per unit area	EN 1849-2	g/m²	-10 // +10	260
Thickness		mm	-0,03 // +0,06	0,5
Straightness	EN 1848-2	mm	-	≤10
Flatness		mm	-	≤10
Dimensional stability	EN 1107-2	%	-	≤2
Water vapour transmission properties:				
Moisture resistance factor (μ)	EN 1931 (B)	-	-30% // +30%	8.039
Vapour diffusion (sd value)	EN 1931 (B)	m	-30% // +30%	3,2
Resistance to vapour diffusion (Z)	-	MN·s/g	-	16

Vapour barrier in accordance with the requirement of CTE - DB HS 1 (Z > 10 MN·s/g)

Water-Stop Waterproof membrane

Other characteristics

Characteristics	Method	Unit	Tolerance	Value
Root penetration resistance	UNE-CEN/TS 14416	-	-	Pass
Indoor air emissions: Class A+ label in accordance with French regulations (Arrêté du 19 avril 2011)				
Total VOC emissions	EN ISO 16000-3 EN ISO 16000-6	µg/m³	< 1000	<75
Service temperature range	-	ºC	-	-20 to +80
Bond strength of C2 tile adhesive to the membrane after 28 days (14 days in laboratory conditions + 14 days at 70°C)				
Tensile	EN 1348	N/mm²	-	>=0.7
Shear	EN 1324	N/mm²	-	>=1
Water resistance of the overlap bonded with C2 tile adhesive	Column	1 m/24 h	-	Watertight
Crack bridging	ANSI A1118.12	mm	-	<=3

This product does not contain hazardous substances.

Structure

Multilayer structure consisting of: nonwoven / double film membrane / nonwoven	
Composition of the inner film (1):	100% EVA copolymer
Composition of the outer nonwoven (2)	50% polyester / 50% polypropylene

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Checks carried out during production and/or on the finished product

System 2+ of assessment and verification of constancy of performance in accordance with REGULATION (EU) No 305/2011.

Verification in each production batch

- Mass per unit area, length and width.
- Visible defects.
- Resistance to water penetration.
- Tensile properties: breaking load, elongation and tear resistance.
- Geotextile adhesion.

Information relating to use, handling and transport

During transport, storage and installation, it must be handled carefully and contact with sharp or cutting elements that may cause punctures, cuts or tears must be avoided.

The WATER-STOP waterproof membrane must be protected from exposure to UV rays. Correct installation beneath the finish must be ensured when it is installed outdoors.

Before starting installation of WATER-STOP, it must be checked that the substrate meets the necessary conditions. The surface must be dry, sound, smooth, clean and with the appropriate slope.

The membrane must be protected against any traffic over it until the final protective layer is installed.

To bond Water-Stop to the substrate: on traditional construction substrates, use class C2 tile adhesive. For gypsum, existing ceramics and others, verify that the selected adhesive is suitable for the substrate. Apply in accordance with the manufacturer's instructions.

To bond finishes to Water-Stop: for ceramic floor finishes or similar, use class C2 tile adhesive. For wood, textiles and others, use an adhesive suitable for the finish and resistant to moisture. Apply in accordance with the manufacturer's instructions. More detailed information can be found in the ROOF INSTALLATION GUIDE.

To bond overlap joints: in site-built showers and in small interior areas not subject to flooding, the same class C2 tile adhesive used for the installation may be used. If maximum watertightness is required, make the joints with EASEAL polymer cement or W-S MASTIC adhesive sealant.

The data stated are informative and may be modified without prior notice. The tests deemed appropriate must be carried out in order to verify the suitability of the product for the intended use when this differs from what is stated.