

Technical Document:

Data Sheet

Commercial name: WATER-STOP Sheet membrane

Producer: Estil Guru S.L.

Factory Code: 966-J

#### STANDARD REFERENCE; PRODUCT DESCRIPTION

**EN 13956:2013**

**Plastic membrane (EVA C) with non woven on both sides, for outdoor and indoor waterproofing.**

**Installation: under tiling and bonded by thin-set tile adhesive.**

CHARACTERISTICS	METHOD	UNIT	TOLERANCE	VALUE
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**Information in accordance with Annex ZA of the standard:**

Watertightness	EN 1928	-	-	Pass
Reaction to fire	EN 13501-1	class	-	E
Tensile strength (MD // CMD) * 1				
- Maximal tensile force (MD // CMD)	EN 12311-2 (A)	N/50 mm	-	≥200 // ≥200
- Elongation (MD // CMD)		%	-	≥20 // ≥10
Resistance to root penetration				NDP
Resistance to static loading	EN 12730 (B)	Kg	-	≥20
Resistance to impact	EN 12691 (A)	mm	-	≥500
Resistance to tearing (MD // CMD)	EN 12310-2	N	-	≥75 // ≥100
Join resistance				
- Join peeling resistance	EN 12316-2	N/50 mm	-	NDP
- Join shear resistance	EN 12317-2	N/50 mm	-	≥230
Flexibility at low temperature	EN 495-5	°C	-	-20
UV stabilization	EN 1927	class	-	NDP

\*1 Test direction: MD - Machine Direction // CMD - Cross Machine Direction

**Additional information:**

Visible defects	EN 1850	-	-	Pass
Length	EN 1848-2	m	+5%	5 // 20 // 30
Width		m	-0,5% // +1%	1 // 2
Mass per unit of surface	EN 1849-2	g/m <sup>2</sup>	-10 // +15	270
Thickness		mm	-0,03 // +0,06	0,57
Rectitude	EN 1848-2	mm	-	≤10
Flatness		mm	-	≤10
Dimensional Stability	EN 1107-2	%	-	≤2
Water vapour transmission properties:				
- Humidity resistance factor (μ)	EN 1931 (B)	-	-30% // +30%	8.039
- Vapour diffusion (S <sub>d</sub> value)		m		3,2
- Water vapour diffusion resistance (Z)	-	MN·s/g	-	16
Barrier against vapour according to C T E requirements - DB HS 1 (Z > 10 MN·s/g)				

#### Other characteristics:

Temperature of use	-	°C	-	-20 a +80
C2 cement adherence to the membrane after 28 days (14 days in laboratory conditions + 14 days at 70°)				
- Traction	EN 1348	N/mm <sup>2</sup>	-	≥ 0,7
- Shearing	EN 1324	N/mm <sup>2</sup>	-	≥ 1
Water resistance of joint with C2 cement	Column	1 m /24 h	-	Watertight
Multilayer structure consisting of: non-woven / double film membrane / non-woven				
- Internal film composition	-	-	EVA Co-polymer 100 %	
- External non-woven composition	-	-	50 % Polyester / 50 % Polypropylene	
A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed.				

#### Product presentation:

Individual labelled rolls packed in Polyethylene film:				
	Roll sizes:	1 m x 5 m	1 m x 30 m	2 m x 20 m
- Surface per roll	m <sup>2</sup>	5	30	40
- Weight per roll	Kg	1,9	8,7	11,9

#### Production controls and / or finished product:

Conformity 2 verification system according to Directive 89/106/CEE

Verification in every production batch:

Mass per unit of surface.

Length and width.

Visible defects.

Water penetration resistance.

Traction properties: tearing, elongation and tensile stress.

Geotextile adherence.

#### Information related to use, manipulation and transport:

Manipulate with care during transport, storage and installation and prevent contact with sharp elements that could perforate or damage the membrane.

It's necessary to protect WATER-STOP membrane from UV rays. Make sure installation is under covering in outdoors.

Before installation of WATER-STOP make sure support has all necessary conditions. Surface must be dry, solid, flat, clean and with correct gradient.

It is necessary to protect WATER-STOP membrane against any movement since last protection is installed.

##### TO GLUE WATER-STOP TO THE SUPPORT:

In traditional supports, use C2 cement. For plaster, old tiles and others, verify that chosen adhesive is suitable. Apply following producer instructions.

##### TO GLUE COVERINGS TO WATER-STOP:

Use C2 cement for ceramic tiles or similar. For wood, textiles and others, verify that chosen adhesive is suitable and appropriate for humidity. Apply following producer instructions.

Further information is available in our INSTALLATION GUIDE.

The data reported is for informational purposes and may be modified without prior notice. The tests that are considered appropriate must be carried out in order to verify the suitability of the product for the intended use when it differs from what has been stated.