

## SAFETUB

**Description:** Watertight accessory for pipes in waterproofing projects with WATER-STOP membrane. It consists of a WATER-STOP membrane integrated with an elastic TPU membrane.

**Installation:** Glued in place with adhesive cement in an adhered system and with a protected sheet under coating.

**Producer:** Estil Gurú S.L.U.

CHARACTERISTICS	METHOD	UNIT	TOLERANCE	VALUE
Watertightness	Article 5.9.1	Article 4.8 <sup>*1</sup>	> 0.5 l/s <sup>*1</sup>	
Reaction to fire	Article 5.3.1	Article 4.1.5	50 mm	
Traction properties:				
Resistance to traction: L // T <sup>*1</sup>	EN 12311-2 (A)	N/50 mm	-	≥200 // ≥200
Elongation: L // T	EN 12311-2 (A)	%	-	≥50 // ≥80
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 L // T	EN 12310-2	N	-	≥75 // ≥100
Join resistance:				
Peeling resistance:	EN 12316-2	N/50 mm	-	NDP
Shear resistance	EN 12317-2	N/50 mm	-	≥230
Flexibility at low temperature	EN 495-5	°C	-	-20
Appearance	-	Art. 4.1.2		
Exposure to UV light + temperature + water	EN 1927	class	-	NDP

\*1 Direction of test: L - longitudinal // T - transversal

### Additional information

Diameter	Ø32-Ø50 // Ø63-Ø75 // Ø90-Ø128
Length	18 cm // 23 cm // 30.5 cm
Width	18 cm // 23 cm // 30.5 cm

### Notes and remarks:

\*1 To learn the values related to the characteristics of WATER-STOP membrane, refer to its technical data sheet.

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### Other characteristics

Emissions to internal air: Class A+label in compliance with the French regulation (Arrêté du 19 avril 2011)				
Total VOC emissions	EN ISO 16000-3 EN ISO 16000-6	µg/m³	< 1000	< 75
Temperatures of use	-	°C	-	-20 to +80
C2 cement adherence to the membrane after 28 days (14 days in laboratory conditions +14 days at 70°)				
Traction	EN 1348	N/mm²	-	≥ 0.7
Shearing	EN 1324	N/mm²	-	≥ 1
Resistance of joint to water glued with C2 cement	Column	1 m /24 hrs	-	Watertight
Multi-layer structure consisting of: non-woven / double film membrane / non-woven				
Inner film composition	-	-	EVA Copolymer 100 %	
External non-woven composition	-	-	50 % Polyester / 50 % Polypropylene	

This product contains no hazardous substances.

### Product presentation

Rolls individually packed in polyethylene film and labelled:				
Dimensions of the rolls:		1 m x 5 m	1 m x 30 m	2 m x 20 m
Surface area per roll	m²	5	30	40
Weight per roll	kg	1.6	8.7	11.7

### Controls carried out during production and/or on the finished product:

Conformity verification system 2+ as per **REGULATION (EU) N° 305/2011**

Verification in each 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, handling and transport:

Handle with care during transport, storage and installation and prevent contact with sharp items or blades that could perforate, cut or tear the membrane.

WATER-STOP MEMBRANE needs to be protected from UV rays. Make sure installation is carried out under cover when laying it outdoors.

Before laying WATER-STOP make sure support meets all necessary conditions. Surface must be dry, solid, flat, clean and with a suitable gradient.

It is necessary to protect WATER-STOP membrane against any movement until the final protection is applied.

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### 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 in accordance with the manufacturer's 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 in accordance with the manufacturer's instructions.

You will find more extensive and detailed information in the **GUIDE FOR INSTALLATION ON ROOFS**.

The data indicated are for information purposes only and are subject to change without prior notice. Tests must be carried out as deemed appropriate to check the product is suitable for the intended use when it differs from the description given.