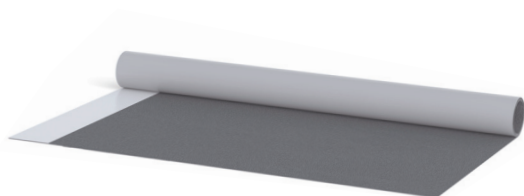


LAMINA FREATICA

Complies with DIN-EN13.967

Multi-layer membrane, very EASY to install, to prevent rising moisture due to groundwater in concrete foundations.



TAPE-FLEX

MAIN FEATURES

-Tri-layer film composed of: a flexible FPO polyolefin membrane + a needle-punched non-woven polypropylene cover layer + a self-adhesive butyl rubber side strip.

-It achieves a total seal in combination with fresh concrete, preventing the appearance of dampness inside the house due to capillarity or leaks even with pressurised water.

-Easy to use: it does not require the use of any adhesive or sealant.

FIELDS OF APPLICATION

-Protection of concrete foundations against rising water due to a high ground water level.

-It can be used in underground structures, basements, car parks, swimming pools, residential buildings, hospitals, industries, etc.

-**LAMINA FREATICA** achieves total sealing in combination with fresh concrete, preventing the appearance of damp inside the house due to capillary action or leaks, even with pressurised water.

HOW TO USE

SUPPORT PREPARATION

-The surface where the sheet is to be placed can be a wooden formwork, a cleaning concrete or a gravel support. In all cases it must be resistant, clean of any sharp or especially pointed elements and dry.

PRODUCT PREPARATION

-**LAMINA FREATICA** is a ready-to-use product.

PRODUCT APPLICATION

-**1st step:** cut 80 cm of **TAPE FLEX** and execute the following drawing by making a single cut at the bottom. The adhesive part must remain on the inside:

-**2nd step:** place one of these prepared pieces in each corner.

-**3rd step:** place the **TAPE FLEX** in the vertical corners from top to bottom, fastening it with a single staple on each side.

-**4th step:** remove the protective paper from the corner piece and fix the vertical strip.

-**5th step:** place the **TAPE FLEX** on the horizontals by gluing it to the self-adhesive corner piece.

-**6th step:** remove the protective paper from the vertical strip and glue the **LAMINA FREATICA** with the black side facing inwards so that it comes into contact with the concrete.

-**7th step:** place the next **LAMINA FREATICA** by sticking it to the self-adhesive part of the previous sheet. Avoid overlaps between one sheet and the next.

TECHNICAL DATA

Mass per unit area	x = 850 g/m ² + 75 g/m ²
Watertightness at 60 kPa / 24 hrs and 400 kPa / 72 hrs	complies
Watertightness after heat ageing at 60 kPa / 24 hrs	complies
Watertightness after chemical contact at 60 kPa / 24 hrs	complies
Water vapour permeability	g = 6.8 x 10 ⁻⁹ kg/m ² ·s ± 30%
Impact resistance aluminium surface	< 150 mm
Impact resistance EPS panel	< 1500 mm
Ultimate load - method A-longitudinal and transverse	400N / 50mm ; 340N / 50mm
Extension at break - method A	90% (longitudinal)
Extension at break - method A	120% (transversal)
Tearing strength - longitudinal and transverse	370 N - 380 N
Temperature resistance	from -30°C to +60°C
Estimated expiration	unlimited
Presentation	1x20 m long; 1.6 mm thick
TAPE FLEX	
Mass per unit area	x = 1270 g/m ²
Ultimate load-longitudinal and transverse load	105N / 15mm ; 82N / 15mm
Extension at break - longitudinal and transversal	448% ; 805%
Presentation	0.2x20 m long; 1.2 mm thick

