

# FIXAQUA FILM

**Liquid polyurethane membrane for waterproofing flat roofs, tanks, floors, etc. in situ and without overlaps**



## WARNING

**FIXAQUA FILM** should not be used:

- ◆ Where there will be heavy traffic of vehicles, forklift trucks, cars, etc. Do not use in car parks
- ◆ In saunas or steam baths (use **HI-DROFIX**).
- ◆ On dirty or crumbling mortar surfaces or on non absorbant surfaces without first priming with **FIXAQUA PRIMER**.
- ◆ In tanks designed to hold strong acids or alkalis.
- ◆ Without respecting the necessary safety and self-protection measures: gloves and a protective mask, and always use in a well-ventilated atmosphere.
- ◆ In swimming pools without a ceramic tiles finish.

## FIELDS OF APPLICATION

- ◆ **Continuous waterproofing, without joins or overlaps**, installed in situ in a very easy, fast and safe way.
- ◆ **100% hermetic waterproofing** of mortar flat roofs, concrete, wood, metal, tiles, etc. tanks, bathrooms, changing rooms, swimming pool surrounds, cornices, gutters, floor covering and wall coverings.
- ◆ **Elastic waterproofing** that replaces asphalt fabric in terraces and balconies.
- ◆ **Ideal waterproofing** for resisting extreme weather conditions: absorbs the contraction-dilation movements of the support and its possible small fissures.
- ◆ **Waterproofing with good chemical resistance** to seawater, diluted acids and alkalis, acid rain, etc.
- ◆ **Passable waterproofing** for people on foot.
- ◆ **Re-waterproofing** of old sheets of asphalt, acrylic paint, roofs with tiles, zinc, aluminium, fibre cement, etc.
- ◆ It can also be used as a paint to protect concrete **against carbonation**.

## TECHNICAL CHARACTERISTICS

**FIXAQUA FILM** is a water-based polyurethane elastomer with exception properties:

- It is 100% waterproof and watertight.
- Breathable to water steam.
- Resists ultraviolet rays.
- Acts as a bridge between fissures on the support.
- Chemical resistance and to microorganisms.
- Excellent adherence to the support.
- Resistant to abrasion and impact.
- Thermal resistance between -40°C : +90°C
- Highly repellent to dust.
- Low VOC level < 100 gr./lt.



Mix with an electric mixer for 2 minutes.

## HOW TO USE

### ◆ Preparation of the support:

There are five conditions to respect:

- 1º) The support must be **clean**: remove all remains of dust, mildew, paint, wax, products for removing formwork, etc
- 2º) The support must be **solid**: if the support is dusty mortar, first prime the surface with **FIXAQUA PRIMER**.
- 3º) Wet mortar supports (not waterlogged) should first be primed with **FIXAQUA PRIMER**. Do not apply **FIXAQUA FILM** if there is stagnant water
- 4º) Any **expansion joints** or **fissures** on the surface should first be sealed with the ultra-elastic, self-adhesive strip **FIX-BANDA**. By simply peeling off the protective paper, **FIX-BANDA** adheres safely to either side of the expansion joint or fissure in question.
- 5º) On **wood, metal, tiles, asphalt sheet, glass, etc.** do the following instructions:



Mortar supports with humidity < 8%: apply **FIXAQUA FILM** directly without prior primer coating.

Mortar supports with humidity > 8%: apply first a coating of **FIXAQUA PRIMER**. Leave to dry for 6 to 8 hours and then apply **FIXAQUA FILM**.

New waterproofing of old asphalt sheets and acrylic paints or waterproofing of wood, metal, ceramic, etc.: apply **FIXAQUA PRIMER**. Leave to dry for a maximum of 6 to 8 hours and apply a first coating of **FIXAQUA FILM**. Then apply immediately **VELO-TERRATS -50** and then apply more **FIXAQUA FILM** until the **VELO-TERRATS-50** is completely soaked. Leave to dry for 18 to 36 hours and apply at least a second coating of **FIXAQUA FILM**.

◆ **Applying the product:**

**FIXAQUA FILM** is a ready-to-use mono-component paint. Do not add anything else. Open the can and stir the paint for 2 minutes to enable it to become homogeneous. Being a water-based product, we have an indefinite period of time to apply it and we may keep the remainder of the product in the can for later use. Apply in general using a short-nap roller on walls or flat metal wool on floors. It may also be applied using airless. Leave to dry for at least 18 to 36 hours and apply always at least one second coating. It is not necessary to de-aerate the paint.

◆ **Fitting ceramic tiles on floors, linings and swimming pools:**

We may apply the material directly onto the **FIXAQUA FILM** once it is dry by using the **TECNOCOL FLEX C2 S1**-type mortar glue.

◆ **Cleaning the tools:** Use water to clean the tools before the polyurethane hardens.

<b>CONSUMPTION:</b>	
<b>FIXAQUA PRIMER</b>	300 gr./m <sup>2</sup> applied with long haired roller
<b>FIXAQUA FILM</b>	1.5 Kg/m <sup>2</sup> to achieve an average thickness of 1.5 mm.

<b>TECHNICAL DATA</b>	<b>FIXAQUA FILM</b>
<b>DIRECTIVES</b>	EN 1504-2 (C)
<b>PRODUCT</b>	
• Type:	Impermeable membrane made with polyurethane.
• Toxicity; inflammability:	No.
<b>APPLICATION</b>	
• Application temperature:	+ 5°C to + 35°C (do not apply FIXAQUA FILM when rain is imminent)
• Waiting time between coats:	18-36 hours (+20°C)
• Waiting time for tiling:	72 hours (+20°C)
<b>PERFORMANCE PROPERTIES</b>	
• Resistance to detergents and oils:	excellent
• Resistance to weak acids/alkalis:	excellent
• Resistance to stabbing:	excellent
• Tension force:	5 N/mm2(+20°C) ; 4,2 N/mm2(-25°C)
• Elongation:	2000% (+20°C) ; 1900% (-25°C)
• Elastic modulus E:	1,5 N/mm2(+20°C) ; 1,3 N/mm2(-25°C)
• Permeability to steam:	≥ 15 gr/m2 x day
• Waterproofing:	without penetration of water (column 1ml /24h.)
• Adhesion to concrete:	> 1,5 N/mm2
• Shore A hardness:	60
• Service temperature:	de -40°C a +90°C
<b>STORAGE</b>	
• In covered, ventilated areas:	24 months
<b>PRESENTATION</b>	
• Supplied in:	sets of: 20Kg and 3.75Kg. in Grey color.



Apply with shorthaired roller on vertical surfaces or...



...with a flat trowel on horizontal surfaces.