



## FUTUR-HIGROSMART-FLEX

### FLEXIBLE TWO-COMPONENT MORTAR FOR WATERPROOFING

Two-component mortar for flexible waterproofing of concrete and masonry (direct pressure and counter pressure).

#### PROPERTIES

The treatments, once hardened and with a thickness of 2 mm, allow movements greater than 0.6 mm. It allows the waterproofing of structures and drinking water tanks that may have movements due to expansion or retraction. Resists negative and positive pressures in work below the water table.

Durability.

Flexibility.

Waterproofs wet areas such as bathrooms, kitchens, planters, balconies in the open or under tiles. (Allows tiling directly on top.)

Melt resistance.

Permeable to water vapor.

Protects and slows down carbonation.

U.V. resistant

It passes the potability analysis, complying with the CE marking standards in accordance with Directive 89/106/EEC (modified by Directive 93/68/EEC, according to standard 97/740/EC).

#### PHYSICAL-CHEMICAL CHARACTERISTICS

<b>Appearance*:</b>	Component A: Powder	Component B: Liquid
<b>Color*:</b>	Grey	Milky
<b>Density:</b>	1.35 Kg/L	1.05 Kg/L
<b>Presentation:</b>	25 Kg bags	9 Kg bottle
<b>Technical characteristics of the mixture</b>		
<b>Appearance:</b>	Cement gray	
<b>Wet density:</b>	1.65/1.70 Kg/L	
<b>Application time:</b>	30-40 minutes	
<b>Initial hardening:</b>	60 minutes	
<b>Mixture proportions:</b>	25 Kg comp. A/9 Kg comp. B	
<b>Negative pressure resistance:</b>	10 bar	
<b>Positive pressure resistance:</b>	10 bar	
<b>Maximum granulometry:</b>	0.6 mm	
<b>Ruture elongation:</b>	20%	
<b>Tensile strength:</b>	0.9 N/mm <sup>2</sup>	
<b>Adherence:</b>	1.8 N/mm <sup>2</sup>	

\* Quality specifications

#### MODE OF USE



The support must be firm, without impurities or dirt that could prevent adhesion (oils, greases, plaster, cement slurries, etc.), if necessary, remove all impurities with pressurized water or mechanical systems.

Before using the product, moisten the support to prevent the product from drying too quickly, avoiding leaving puddles of water.

Mix the two components in the proportion of 25 kg of component A for every 9 kg of component B with the help of a slow stirrer (approx. 400 rpm) for 3 minutes until obtaining a homogeneous and slightly viscous paste. Let the mixture rest for 5 to 10 minutes and stir again for 2 minutes.

Apply a first layer of 1 mm of product with the help of a brush, brush or airless gun, on the previously moistened surface. If we notice that the material begins to harden, do not add water to the mass, it is preferable to moisten the support again to hydrate it.

The second layer, also 1 mm thick, will not be applied before 1 hour after the application of the first (variations in environmental conditions can lengthen these times) and it is not necessary to moisten again for the application of this second layer.

Minimum drying time 7 days before permanent contact with water. The mechanical resistances obtained after 7 days correspond to 80% of the total resistances. Application performance: 2 layers of 1-2 Kg/m<sup>2</sup> each.

Do not apply at room temperatures below 5°C.

To clean utensils, use water once the application work is finished.

## APPLICATIONS

Very useful in the waterproofing of concrete and masonry walls and surfaces, waterproofing of water storage tanks, drinking water cisterns, repairs, etc.

Very useful in construction companies, building maintenance contracts and large communities, masonry and plumbing companies, hotels, residences, etc.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.