

# FLX 382 PLUS

## WATERPROOFING EMULSION FIBER-REINFORCED

ACCORDING TO  
EN 1504-2

### DESCRIPTION

**FLX 382 PLUS** is a one-component, brushable, elastomer, fiber-reinforced, waterproofing emulsion. It is white, non-toxic and does not develop fungi. The product is highly resistant to humidity, ultraviolet radiation and does not flake. The product is highly

elastic and it is highly recommended for surfaces presenting contractions-expansions and vibrations is suitable for application on concrete, plaster, AAC concrete and other common substrates based on cement or ceramic. The surfaces that are coated with **FLX 382 PLUS** become absolutely waterproof.

### FIELDS OF APPLICATION

It is suitable for sealing rooftops, balconies, plastered walls, cement-based floor screeds, gutters, etc. It is also used for sealing corners, filling fine cracks of up to a width of 2mm and filling tile joints up to a width of 1mm. It is applied on:

- Concrete, cement-based floor screeds and other cementitious mortars.

- Bitumen coatings and wooden surfaces preceded by adequate preparation of the substrate.
- Ceramic tiles and natural stones.
- Metal surfaces such as aluminum, iron, copper, galvanized sheets preceded by adequate preparation of the substrate.

### ADVANTAGES - FEATURES

- Perfect sealing
- High elasticity
- Resistance to humidity
- Resistance to UV radiation
- Adequate for cracks up to 1mm
- Long-term protection of the substrate.

- Does not chip off
- Prevents diffusion of solar heat
- Does not develop fungi
- Non toxic
- Economic solution for perfect result
- Occasional light foot traffic

### SUBSTRATE PREPARATION

The substrate must be stable, the brittle material must have been removed and it must be washed with plenty of pressurized water to remove dust. Moreover, standing waters must be removed. If the concrete is worn or in case of cracks wider than 1 mm there must be prior repair of all defections. For application on:

- Absorbent substrates or old concrete, apply **GLX 292 FLEX PRIM** or **STATUS DUR** primer.

- Metal substrates thoroughly clean and then primed with **GLX 190** quartz primer.
- Bituminous membranes prime with **FLX 390 PU PRIMER**. Before using the product, the substrate must be fully dried. The expansion joints, the joints between horizontal and vertical surfaces and the construction joints should be reinforced with **KF 12/7** or **F12/7**, by bonding them to substrate using **FLX 382 PLUS**.

### APPLICATION

The application is made by brush, rubber spatula or longhaired roller, making sure the material to penetrate and fill each cavity. The product is applied crosswise in two layers. The thickness of each layer should be 0,4-0,5mm. The second coat is applied as soon as the first

one has fully dried (12-24h). The total thickness should be less than 0,8-1mm. If the substrate has small cracks, embed a nonwoven, perforated polypropylene sheet between the two layers. After application and for the next two days, the surfaces must not get wet from rain or water.

### PACKAGING - STORAGE

The product is packed in plastic containers of 5kg and 15kg and it is stored in sealed packaging in enclosed,

ventilated and protected from frost areas for 24 months from the production date.



## DRYING

Dries in 2-3 hours, so as not to touch fouls. Full resistance to washing after 4 weeks.

## RECOATABILITY

Recoated after 12 hours, Drying times refer to normal ambient conditions (25 ° C, 60% humidity). Any differences in temperature and humidity of the environment can alter the above times.

## CONSUMPTION

To ensure complete sealing and long lasting performance we make sure that the consumption is 1-1,3 Kg/m<sup>2</sup> (for two layer application, depending on the type of the surface).

## SHADES

- White

## APPLICATION TOOLS

Easy application with longhaired roller, brush or trowel on horizontal, sloping and vertical surfaces.

## TOOL CLEANING

Immediately after use, drain well the color inside the box and clean all tools with warm water and soap. Do not empty washings into the groundwater.

## VOLATILE ORGANIC COMPOUNDS (VOC)

- Maximum allowable VOC content (Directive 2004/42/EC) for the product category A/c 'Coatings & exterior walls of mineral substrate', type Y, PHASE II: 40 gr / lt.
- Maximum VOC content of the product ready for use: 35 gr / lt

## APPLICATION TEMPERATURE

Do not apply at temperatures below +5°C and above +35 °C or before rain. When applying, the surface should not come into direct exposure to solar radiation. Adverse conditions during or immediately after application may degrade paint's quality.

## NOT RECOMMENDED

- On surfaces with intense traffic.
- On surfaces with uprising damp.
- On surfaces with moisture levels above 2.5%.
- On surfaces that are constantly under water or relative humidity higher than 85%.
- On painted metal surfaces.

## PRECAUTIONS

Protect eyes and skin. In case of contact rinse with water. In case of contact with eyes seek medical advice immediately. Read the information on the label and in the Technical leaflet of the product before use. Wear suitable protective clothing and gloves.

MSDS is available upon request to the professionals. The leftover colors should not be disposed of with household waste. You should seek advice from local authorities on the disposal and collection of waste.  
Poisons Information Centre Tel. 210 77.93.777

*The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and of the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version*

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## WATERPROOFING EMULSION

### FIBER-REINFORCED



#### ACCORDING TO THE EUROPEAN STANDARD EN1504-2

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Density (20°C)	(g/ml)	EN ISO 2811.01-02	1,30 ± 0,03
Viscosity	(cps)	Brookfield	36000 ± 5000
pH		ISO 976-96	8-8,7
Elongation at break	(%)	ASTM D 412 – 98a	250
Tensile strength	(N/mm <sup>2</sup> )	ASTM D 412 – 98a	2,0
Dilution with water for application with roller, brush or paintbrush	1 <sup>st</sup> coat	-	30-40
	2 <sup>nd</sup> coat		0-10
Dilution with water for application with with airless spray gun	1 <sup>st</sup> coat	-	20-30
	2 <sup>nd</sup> coat		No dilution
Water vapour permeability (w)	(kg·m <sup>-2</sup> ·h <sup>-0,5</sup> )	EN 1062-3	<0,1
Adhesion strength	(N/mm <sup>2</sup> )	EN 1542	≥0,8
Water vapour permeability (Class)	(Class)	EN ISO 7783-1 & 2	I (vapor permeable)
Permeability to CO <sub>2</sub>	(Sd)	EN 1062-6	>50
Artificial weathering (after 2000h)		ISO 11507-97	No alteration of the film occurs
Resistance to oils and solvents			Excellent
Flammability			No
Toxicity			No
Organic solvents			No

*Note: The measurements were made in laboratory environment under temperature of +23°C, Relative Humidity 50 % and without ventilation. It is possible to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.*