FLX 380 ROOF SEALER
WATERPROOFING EMULSION

ACCORDING TO EN 1504-2

DESCRIPTION

FLX 380 ROOF SEALER is a one-component, brushable, elastomer, acrylic 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. It is suitable for application on concrete, plaster, AAC concrete and other common substrates based on cement or ceramic.

The product is highly elastic and it is highly recommended for surfaces presenting contractions-expansions and vibrations. The surfaces that are coated with **FLX 380 ROOF SEALER** become absolutely waterproof. Moreover, the surfaces coated **FLX 380 ROOF SEALER**, due to their whiteness reflect solar radiation limiting thus the heat transmission to the buildings' interior.

FIELDS OF APPLICATION

- The product is used for sealing rooftops, balconies, plastered walls, cement-based floor screeds, gutters, etc.
- Also used for sealing corners, filling fine cracks of up to a width of 1mm and filling tile joints up to a width of 1mm.
- It is suitable for application to substrates such as: cement-based floor screeds, concrete, bricks, tiles, aluminum, bitumen coated aluminum, tin, wood, etc.

ADVANTAGES - FEATURES

- Perfect sealing
- High elasticity
- Resistance to humidity
- Resistance to UV radiation
- Adequate for cracks up to 1mm
- Does not chip off
- Prevents diffusion of solar heat
- Does not develop fungi
- Non toxic
- Economic solution for perfect result

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 imperfections and sealing of the cracks using a repairing product from THRAKON range depending on each different scenario. Prior to the application it is necessary to prime the substrate using the deep penetration acrylic primer **GLX 292 FLEX PRIM** or with solvent-based waterproof primer **STATUS DUR**. Before using the product, the substrate must be fully dried.

APPLICATION

In order to achieve adequate waterproofing the product is applied in to two layers. The first layer is diluted to 30 - 40 % with water while the second is applied with undiluted or if necessary is diluted up to 10%. For application by airless spray gun it is diluted with water 20 - 30%. The application is made by brush, roller or spray gun making sure the product to enter and fill each gap. Do not wet the surfaces for two days after application. Do not apply in low temperatures (below 10°C).

PACKAGING - STORAGE

The product is packed in plastic containers of 1 lt, 5 lt, 12 lt and it is stored for one year in sealed packaging and in dry and well ventilated areas under temperatures $+5^0$C to $+35^0$C.

DRYING

Dries in 1 hour, so as not to touch fouls. Full resistance to washing after 4 weeks.

RECOATABILITY

Recoated after 24 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

1,5 Kg/m^2, for two layer application, depending on the type of the surface.

SHADES

- White and Terracotta.

APPLICATION TOOLS

Brush, roller, or airless spray gun.

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 10ºC 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 continuous traffic.
- On surfaces which are constantly under water.

PRECAUTIONS

For information on the safe use, storage and disposal of the product read the information on the label and in the most recent MSDS of the product before the product 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

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WATERPROOFING EMULSION

ACCORDING TO THE EUROPEAN STANDARD EN1504-2

TECHNICAL CHARACTERISTICS		UNITS	STANDARD	VALUE
Density (20°C)		(g/ml)	EN ISO 2811.01-02	1,25 ± 0,03
Viscosity		(cps)	Brookfield	18000 ± 2000
pH			ISO 976-96	8-8,7
Elongation at break		(%)	ASTM D 412 – 98a	450
Tensile strength		(N/mm^2)	ASTM D 412 – 98a	1,2
Dilution with water for application with roller, brush or paintbrush	1st coat	(% v/v)	-	30-40
	2nd coat			0-10
Dilution with water for application with with airless spray gun	1st coat	(% v/v)	-	20-30
	2nd coat			No dilution
Water vapour permeability (w)		($kg \cdot m^{-2} \cdot h^{-0,5}$)	EN 1062-3	<0,1
Adhesion strength		(N/mm^2)	EN 1542	≥0,8
Water vapour permeability (Class)		(Class)	EN ISO 7783-1 & 2	I (vapor permeable)
Permeability to CO_2		(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.*