

# RX-513

**Selladur®**

## MICROMORTER

Pre-dosed two-component flexible waterproofing product for anti-humidity treatment on cement and stone surfaces.



### COVERING

FOR ALL TYPES OF CONVENTIONAL PAINT  
AFTER FULLY DRYING (1. See chapter on comments)

### SURFACES

Concrete, cement, stone, brick, fibre cement, semi-absorbent paints and usual bases in construction.

Surfaces must be sound, cohesive, absorbent, well-adhered, clean and free of dust.

### CHARACTERISTICS

- Barrier against humidity.
- Water vapour permeable.
- Breathable.
- White colour.
- Slow setting.
- Suitable for airless application.
- It acts under both positive and negative pressure.
- Fine finish for waterproofing works.
- Product suitable for waterproofing drinking water tanks in accordance with the requirements established in RD140/2003.
- Perfect adhesion on porous mortar and concrete surfaces, even when wet.



### IDEAL FOR

- Moisture control and increased resistivity for concrete structures in accordance with UNE-EN 1504-2.
- Swimming pool waterproofing. It can be covered with adhesive cement, if subsequent tiling is desired.
- Waterproofing of interiors such as tunnels, pipes, basements, lift shafts, etc.
- Treatment of rising damp.

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### ON-SITE APPLICATION

#### SUBSTRATE PREPARATION

The surface must be sound, clean and free of any trace of saltpetre, fungi, micro-organisms, grease, release oils and, in general, any type of material that could make it difficult for the product to adhere to the base. It should be as uniform as possible.

Excessively dry but consistent surfaces must be wetted before the application of **SELLADUR**, with the help of a brush, roller or sponge. Avoid saturation of the surfaces.

If the surfaces are dry and the surface has disintegrated, we recommend the previous application of **RX-501 SOLVENT-BASED FIJAPREN**. Wet surfaces cannot be treated with solvent-based Fijapren.

Wet and very disintegrated surfaces must be scraped eliminating the non-consistent parts, until reaching the solid base.

#### CLEANING

If surfaces present traces of fungi, algae or other type of micro-organisms, we first proceed to curative treatment with our **RX-526 CLEAN ENERGY**. Apply the product to the surface to be treated and after 5-10 minutes of action clean the surface using a pressurised water machine or with a hard bristle brush.

Then, once the surface is completely dry, **RX-524 CLEAN MICRO** should be applied until the surface is completely impregnated. This preventive treatment is very effective and prevents future presence of micro-organisms.

If there are saltpetre stains on the surface to be treated, carry out an initial cleaning process with our **RX-523 CLEAN SAL**, applying the material and then scraping it with a hard bristle brush. After mechanically cleaning the surface, it will need to be rinsed with plenty of clean water in order to neutralise any **CLEAN SAL** residue that may remain on the surface.

Any grease or oil must be completely eliminated to allow the product to adhere correctly to the surface. Therefore, we recommend using **RX-527 CLEAN OIL** for correct and total elimination of these substances.

Old surfaces must be restored: **the restoration of worn substrates without prior preparation is strongly discouraged**. If there are holes in the surface, these should be scraped down and removed until a consistent surface is created, then a fixative (**FIJAPREN** line) should be applied to remove traces of dust. This consistent surface will usually be made of brick, cement or any other material, as long as it can support the weight and tension of the layers subsequently applied, without breaking up or having its structure altered.

If cracks are present these must be repaired, i.e. opened up and their interiors fixed using a fixative (**FIJAPREN** line), left to dry for at least 4 hours and then filled to the required level. If the cracks are structural, it is required to create perimeter joints in the façade, in order to absorb and/or derive movement.

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### ON-SITE APPLICATION

#### DIRECTIONS FOR USE

- APPLICATION IN THE FORM OF PAINT**

Mix the liquid part with the solid part and stir with an electric mixer at low revolutions, until complete homogenisation. If a partial mix is desired, mix 2 parts solid with 1 part liquid. Then leave the obtained paste to stand for 5 minutes and immediately afterwards apply on the surface to be waterproofed, with a brush (preferably a synthetic fibre one) or with a roller, a 1 to 1.5 Kg quantity of the mixture obtained per m<sup>2</sup> and per coat applied (between 1 and 1.5 mm thick per coat) in several successive cross coats (it is not necessary to allow the first coat to dry completely to apply a second coat and so on).

- AIRLESS APPLICATION**

Mix the liquid part with the solid part and stir with an electric mixer at low revolutions, until complete homogenisation. If a partial mix is desired, mix 2 parts solid with 1 part liquid. Next, leave the paste obtained to stand for 5 minutes and then apply the product by spraying it using a nozzle preferably with a 4.33, 5.33 or 6.33 pitch over the surface to be waterproofed, (we recommend spraying the material during a maximum period of 2 hours after it has been mixed to prevent the product from setting while inside the machine and blocking up the machine's internal piping). We recommend applying a second cross coat after the first coat has dried.

To achieve uniform spraying of this product we recommend the use of a MARK V airless machine from GRACO or similar.

For correct waterproofing it is recommended to apply a minimum of 2 coats, leaving at least 1 hour between the application of the successive coats, to obtain a minimum thickness of 3 - 4 mm in total.

### TECHNICAL CHARACTERISTICS

DEEP DRYING TIME		
SUBSTRATE	AVERAGE THICKNESS	TIME
Concrete	2 mm. coat	8 - 9 hrs.

PERFORMANCE	
Kilogrammes of paste applied per m <sup>2</sup> in 1 mm. thickness	1.5 - 1.7

ADHERENCE on cement substrates – coat of 2 mm.	
TRIAL	RESULTS
Initial adherence (28d)	> 1.0 MPa
Adherence after immersion in water	> 0.5 MPa
Adherence after thermal ageing	> 1.6 MPa

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#### TECHNICAL CHARACTERISTICS

Useful life	7 - 8 H	Adherence by direct traction (EN 1542)	≥ 1.5 MPa
Maximum thickness	2 mm vertically 5 mm horizontally	Permeability to water vapour (EN ISO 7783)	Class I
Maximum granulometry	200 mm	Cleaning tools	Con agua
pH	12 - 13	Capillary absorption and permeability to liquid water (EN 1062-3)	< 0.1 Kg (m <sup>2</sup> ·h <sup>0.5</sup> )

DENSITY	
POWDER (g/ml)	PASTE (g/ml)
0.9 - 1.0	1.60 - 1.70

PENETRATION OF WATER UNDER PRESSURE (EN 12390-8)	
DIRECT PRESSURE	INDIRECT PRESSURE
70 % reduction in water penetration at 0.5 MPa according to Report 17/15691-2964 by Applus.	0.5 MPa according to Report 01-18/039187/1 by Cemos

#### INFORMATION OF INTEREST

The manufacturing process of the Selladur range is controlled in batches, which allows traceability in the case of any incident. The quality control system used includes, the individual design and development of each article, both with the raw materials used confirming manufacturing uniformity, as well as the final product obtained. The use in our facilities of eco-technology in the manufacturing process allows the completion of environmentally friendly efficient work.

- Non-flammable product. Irritant.
- Avoid contact with eyes and skin.
- Smoking, eating or drinking in the area of use is prohibited.
- Comply with Health and Safety at Work Executive regulations.
- Store the product in a dry place, in its original packaging firmly closed.
- Store the containers between 5°C and 35°C.
- Recommended storage time: 12 months as from date of manufacture, in its original container, closed well in a dry and cold place.

Further information relative to protection measures and first aid, check Product Safety Sheet.

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#### OBSERVATIONS

(1) **SELLADUR RX-513** can be recoated by any type of putty or mortar from our ranges, decorative coatings or paints (as long as they are breathable and resistant to cement alkali). In order to avoid the loss of colour, if you wish to apply an intense coloured plastic paint on Selladur, previously apply one coat of our product **CONCRETE MICROPRIMER RX-517** and after apply the paint as usual.

- For appropriate use and correct application of the product, it is essential to first read the technical data sheet.
- The data provided in this data sheet are for guidance only and should not be considered binding. The data has been obtained in normal laboratory conditions and on standardised surfaces, and can vary depending on the conditions in which they are applied (absorption of the surface, applied thickness, temperature, environmental humidity, etc.). The intervals displayed have been shaped by measurement history. Slight deviations from the ranges presented in this technical sheet, whether higher or lower, will be accepted according to internal technical criteria and will not result in a loss of quality or affect the performance of the final product, due, among other factors, to variations in measurement conditions and the uncertainty associated with the instruments used.
- The working conditions of the users are out of our control.
- The product must not be used for purposes other than those specified. We recommend strictly following the recommendations for use.
- It does not require the addition of water as it is a pre-dosed mortar.
- Do not exceed the maximum recommended application thickness.
- It is essential that the status of the surfaces be assessed prior to each application.
- Use the product within its useful lifetime. Beyond this time, unfavourable properties may arise.
- Do not apply outdoors on days which might be rainy or frosty. Protect the application from rain, strong wind or direct sun for 48 hours after application.
- Do not apply to extremely crystalline surfaces.
- Do not apply to paint, wood or plaster.
- On plaster surfaces apply exclusively **RX-506P Selladur plaster substrates**.
- Do not mix with any material, as the product will not retain its technical characteristics.
- The surface can be wet or dry at the time of application of the product. Avoid application on surfaces with still water.
- The product must be thoroughly dried before contact or filling with water. We recommend a minimum of 5 days after application.
- If the surface waterproofed with **RX-513** is going to contain potable water, it is recommended that the waterproofed container be filled and emptied with water (at least once) before use. We recommend allowing 2 - 3 days between filling and emptying.
- Surface and ambient temperature: minimum + 5 °C / maximum + 35 °C.
- If a cementitious adhesive is applied over **RX-513** in swimming pools, a minimum of C1 or C2 should be chosen depending on the tile to be used.
- Take special care with the products used to treat water as they can attack the product.
- When the product is applied on façades or is continuously exposed to UV rays from the sun, it is advisable to coat it with a paint resistant to cement alkalis.

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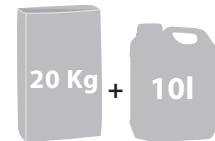
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### OBSERVATIONS

- The technical department of **ESTABLECIMIENTOS BAIXENS** states that the designs of recently launched new products are considered to be in an experimental phase until an annual history can be constituted. From then on, the newly designed product is considered to be fully consolidated in the market. In the meantime, **BAIXENS** reserves the right to adapt its variable specifications or working ranges according to technical criteria. The data subject to modification will be identified with an asterisk for easy identification and may be recently created products and / or experimental phase products or improvements in our various ranges due to market needs and / or requirements.
- We place at your disposal a technical-commercial team that will advise you regarding any doubt or query.
- For more information, ask for the Selladur catalogue at your point of sale. You can also consult it or download it on our website.

### PACKAGING

FORMAT	10 Kg + 5 l	20 Kg + 10 l
UNITS/BOX	-	-
PALLETS	44 CANS + 44 CARAFES	48 SACKS + 48 CARAFES



Internal code	RX513NF1911NF1912A20
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**BAIXENS**  
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*Testing the  
difference*

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