

# RX-520

## Selladur®

### FLEX

Single-component flexible waterproofing reinforced with fibreglass, ideal for damp-proofing treatment.



#### COVERING

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

#### SURFACES

Consistent absorbent and semi-absorbent base coats and usual base coats in construction. Suitable for application on gresite and tiles.  
Surfaces must be sound, cohesive, absorbent, well-adhered, clean and free of dust.

#### CHARACTERISTICS

- Highly flexible.
- Quick setting.
- Barrier against humidity.
- Water vapour permeable.
- Breathable.
- Made with fibre.
- Beige colour.
- Suitable for application on wet surfaces.
- Good impact resistance.
- Excellent abrasion resistance.
- Excellent adhesion to absorbent surfaces.
- Easy to apply.
- Crack bridging capability.
- Anti-carbonation product.
- It can be covered with ceramic materials of any absorption as long as a suitable adhesive cement is used for this purpose. We recommend the use of our CX-60 COLBAIX UNIVERFLEX with European standard C2TES1 or if you require a product with more flexibility, you can also use our product with European standard C2TES2 CX-75 COLBAIX FLEXICOLLE. Selladur Flex can also be used as a bonding material for tile bonding.



#### IDEAL FOR

- Protection against penetration, moisture control and increased resistivity and physical resistance for concrete structures in accordance with UNE-EN 1504-2.
- Waterproofing of reservoirs, tanks, canals, concrete pipes, buried foundations, basement walls and floors, etc.
- Waterproofing of terraces and balconies.

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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 microorganisms, we first proceed to curative treatment with our **RX-526 CLEAN ENERGY**. Apply the product to the surface to be treated. 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 microorganisms. 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.

Powdery surfaces must be consolidated with a fixative (**FIJAPREN LINE**), since dust prevents adhesion between materials. Similarly, old surfaces made up of perished plaster or poorly adhered parts must be cleaned up: **restoring perished surfaces without prior restoration is totally inadvisable**. 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, functional plaster 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.

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## ON-SITE APPLICATION

### HOW TO USE

#### • APPLYING IN THE FORM OF PAINT

Mix with water at the rate of 25 - 27% (for each 1kg, use 250 – 270 g of clean water for mixing according to the thickness required). Mixing should be done manually or mechanically using a low revolution electric mixer until a liquid paste is achieved, (like a conventional paint) without lumps. Allow 5 minutes to stand and then apply on the substrate to be waterproofed with a brush (preferably synthetic fibre brush) or a short bristle roller.

Be aware that on applying in the form of paint on vertical substrates, in order to avoid dripping, no more than a 2mm thickness can be deposited per coat.

#### • APPLYING IN THE FORM OF PUTTY

Mix with water at the rate of 20 - 25% (for each 1kg, use 200 – 250 g of clean water for mixing according to the thickness required). Mixing should be done manually or mechanically using a low revolution electric mixer until complete homogenization. Allow 5 minutes to stand and then apply on the substrate to be waterproofed with a trowel, spatula or spade to the thickness required (maximum 4mm per coat to be pasted) exerting the necessary pressure for its compaction.

If more than 4mm thickness is required, this should be done in several coats, which is to say: a first coat of 4mm will be applied and left to harden then we will proceed in applying another coat of 4mm and so on.

For doing deposits of thickness greater than 4mm and in order to avoid possible cracking due to superficial tension or an excess of material applied in one or more coats, we recommend the intermediate application of our fiberglass mess RG-116 resistant to cement alkali. The mess should be put on with the help of a spatula or trowel after the first coat before drying exerting a slight pressure on the fibre, embed into the inside of the material applied in order to leave partially or completely covered. Allow the product to dry and then deposit the last coat with material thus completely covering the fiberglass.

Correct waterproofing requires an application in several coats of 3 – 4 mm thickness.

## TECHNICAL CHARACTERISTICS

DEEP DRYING TIME		
SUBSTRATE	AVERAGE THICKNESS	TIME
Concrete	1 mm. coat	3 – 4 hrs.

PERFORMANCE	
Kilogrammes of powder applied per m2 in 1 mm. thickness	1.1 - 1.2

ADHERENCE on cement substrates – coat of 2 mm.	
TRIAL	RESULTS
Initial adherence (28d)	> 2.2 MPa
Adherence after immersion in water	> 0.5 MPa
Adherence after thermal ageing	> 2.8 MPa

**RX-520****Selladur®****FLEX****TECHNICAL CHARACTERISTICS**

Useful life	30' - 40'	Adherence by direct traction (EN 1542)	≥ 2.0 MPa
Maximum thickness	3 - 4 mm	Permeability to water vapour (EN ISO 7783)	Class II
Maximum granulometry	400 µm	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> )
Flexural strength (EN12190)	≥ 4.0 N/mm <sup>2</sup>	Permeability to CO <sub>2</sub> (EN 1062-6)	Sd > 50m
COMPRESSIVE STRENGTH (EN12190)	≥ 5.0 N/mm <sup>2</sup>	TABER ABRASION RESISTANCE (EN ISO 5470-1)	Loss of weight < 110 mg
		IMPACT RESISTANCE (EN ISO 6272-1)	≥ 10Nm Class II

DENSITY	
POWDER (g/ml)	PASTE (g/ml)
1.00 - 1.05	1.60 - 1.65

PENETRATION OF WATER UNDER PRESSURE (EN 12390-8)	
DIRECT PRESSURE	INDIRECT PRESSURE
0.05 MPa according to Cemosa Rapport 01-18/039190/1	0.5 MPa ACCORDING TO CEMOSA RAPPORT 01-18/039190/1

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#### 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.

#### OBSERVATIONS

(1) **SELLADUR RX-520** 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.

- The reading of this product's data sheet is indispensable for the correct use and application.
- 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.
- Work conditions of the user are out of our control.
- The product should not be utilized for other uses except the ones indicated. It is advisable to strictly follow the recommendations of use given.
- Do not exceed the recommended maximum thickness.
- A previous inspection of the state of the surface before use is fundamental.
- Use the product within its lifetime. Unfavourable properties can be obtained once this time is exceeded.
- Do not use outdoors in icy temperatures or days that forecasts rain. Protect the application from the rain, strong winds or direct sunlight for the first 48 hours after use.

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## OBSERVATIONS

- Do not apply on extremely crystalline surfaces.
- Do not apply on synthetic paint , wood or gypsum.
- On gypsum substrates apply exclusively **RX-506P Selladur plaster backgrounds**.
- It will lose its technical features if mixed with any other material.
- The substrate can be wet or dry at the moment of applying the product. Avoid applying on substrates with stagnant water.
- Substrate and environment temperature: minimum +5° C /maximum + 35° C
- In the case of painting **RX-520** with a solvent based paint we recommend a previous preliminary test.
- If the product is applied on façades or is continuously exposed to the sun's U.V. rays, coating with a paint resistant to cement alkali is recommendable.
- **ESTABLECIMIENTOS BAIXENS'** technical department informs that the new designs in the development of recent launches are considered in their experimental phase until an annual revision is made. From this point on, the product of a recent launch is considered as being totally consolidated in the market. In the meantime, **BAIXENS** reserves its right to adapt the variable specifications or ranges of work, according to technical criteria. The information subject to modification, will be identified with an Asterix at the top for easy recognition of those products which are the subject of new creation or are subject to an experimental phase or improvement in our different ranges because of market demand and or needs.
- We have a technical-sales team at your disposal for technical advice or consultation.
- For more information apply for the Selladur catalogue at your sales point. You can also consult and download from our website.

## PACKAGING

FORMAT	15 Kg	15 Kg	5 Kg
UNITS/BOXES	-	-	-
PALLETS	44 CANS	66 SACKS	120 CANS



Internal code	RX520NF2293A20
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*Testing the difference*

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