

RX-506

Selladur®

CEMENT SUBSTRATES

Powdered waterproofing ideal for anti-humidity treatment on rough cement or stone surfaces.



COVERING

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

SURFACES

Concrete, cement, mortar, stone, brick, fibre cement and the usual bases for construction.

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

CHARACTERISTICS

- Normal setting.
- Easy to apply.
- Barrier against humidity.
- Can be applied by brush or trowel.
- Water vapour permeable.
- Breathable.
- It acts under both positive and negative pressure.
- Available in white, grey or blue.
- 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.
- Waterproofing of cementitious surfaces: buildings, basements, underground foundations, flower boxes, water tanks, swimming pools, etc.
- Sealing and protection of surfaces exposed to the aggressiveness of water and humidity.
- 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 with water at a rate of 38% (380 g of clean water per 1 kg should be used for mixing). Mixing must be done manually or mechanically using an electric mixer at low revolutions, until a liquid paste is obtained (like a conventional paint) without lumps. Then leave the paste to stand for 5 minutes and then apply a quantity of 1 to 1.5 kg of the mixture obtained per m² and 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 before applying a second coat and so on) to the surface to be waterproofed with a brush - preferably a synthetic fibre brush.

- **APPLICATION IN THE FORM OF PUTTY**

Mix with water at a rate of 30% (300 g of clean water per 1 kg should be used for mixing). Mixing should be carried out manually or mechanically using an electric mixer at a low rate of revolutions per minute until the mixture is fully homogenised. Then let the paste rest for 5 minutes and then apply the desired thickness (maximum 4 mm per layer for plastering) on the surface to be waterproofed with a trowel or palette knife.

If we want to apply more than 4 mm thick, we will have to do it in several layers, that is to say, we will apply a first layer of 4 mm, we will let the product set and we will apply a new layer of 4 mm over the top and so on.

To build up thicknesses which are greater than 4 mm and to avoid possible cracks due to surface tension or excess of material applied in one or more layers, we recommend the intermediate application of our cement alkali-resistant fibreglass mesh RG-116. The mesh should be placed on after applying the first layer, and without letting it dry, with the help of the palette knife or trowel and exerting slight pressure on the fibre, we will embed it inside the applied material so that it is totally or partially covered. Let the product dry and then apply the last layer of material completely covering the fibreglass.

Proper waterproofing requires the application being carried out in layers with a thickness of approximately 3 or 4 mm.

When the material dries, it is advisable to apply another coat of product horizontally from right to left, taking and smoothing the joints from left to right, to leave a completely smooth finish. If you wish to obtain a rougher finish, you can float a damp sponge over the product when it starts to set. If a finer finish is desired, we recommend applying one coat of **RX-519 SELLADUR FINISH**.

RX-506**Selladur®****CEMENT SUBSTRATES****TECHNICAL CHARACTERISTICS**

DEEP DRYING TIME

SUBSTRATE	AVERAGE THICKNESS	TIME
Concrete	2 mm. coat	6 - 7 H

PERFORMANCE

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

on cement substrates – coat of 2 mm.

TRIAL	RESULTS
Initial adherence (28d)	≥ 0.8 MPa
Adherence after immersion in water	≥ 1.8 MPa
Adherence after thermal ageing	≥ 0.5 MPa

Useful life	4 - 5 H
Maximum thickness	5 mm
Maximum granulometry	800 mm
pH	12.5 – 13.5

Adherence by direct traction (EN 1542)	≥ 3.0 MPa
Permeability to water vapour (EN ISO 7783)	Class I
Cleaning tools	Con agua
Capillary absorption and permeability to liquid water (EN 1062-3)	< 0.1 Kg (m ² ·h ^{0.5})

DENSITY

POWDER (g/ml)	PASTE (g/ml)
1.10 - 1.20	1.60 - 1.70

PENETRATION OF WATER UNDER PRESSURE (EN 12390-8)

DIRECT PRESSURE	INDIRECT PRESSURE
75 % reduction in water penetration at 0.5 MPa according to Report 17/15691-2962 by Applus	0.5 MPa according to Report 01-18/039188/1 by Cemos

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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: 6 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-506** 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.
- 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.

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OBSERVATIONS

- 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-506** 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.
- In case of painting **Selladur cement substrates** with a solvent-based paint, it is recommended to carry out a test beforehand.
- 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.
- 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	15 Kg	15 Kg	5 Kg
UNIT/BOX	-	-	4
PALLETS	44 CANS	66 SACKS	35 BOXES



Internal code	RX506NF1892A20
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BAIXENS
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Testing the difference

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