

CX-65R

Colbaix®

## ULTRA FAST REPAIRING CORROSION INHIBITOR MORTAR

Corrosion inhibitor mortar for structural concrete repairs.



Protection against corrosion of frames  
(Classified according to UNE-EN 1504-7)

### USES

Cement, stone, brick, concrete, concrete structures, cement mortars and any type of absorbent substrate in construction.

Surfaces should be healthy, dry, cohesive, absorbent, clean and free from dust.

### FEATURES

- Excellent workability.
- Thixotropic non-drip.
- Setting product.
- Weather proof.
- Highly resistant to carbonation.
- Permeable to water vapour.
- Quite resistant to chlorides.
- Sulphate resistant.
- Resistant to frost-thaw cycles.
- Solid adhesion to concrete.
- Resistant to salt fog.
- Prevents from the formation of rust on the iron frames.
- High mechanical performance.
- Compensated retraction to minimize the risk of cracking.
- Storage: 6 months inside its original packing and kept free from damp and humidity.

### IDEAL FOR

- Structural repairs of concrete.
- Protection against the corrosion of frames (Classified according to UNE-EN 1504-7).
- Structural reinforcement of concrete jobs.
- Repairing and restoring cementitious-based horizontal substrates or non-trodden stone.
- Anti-corrosive protection of concrete frames.



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### APPLICATION IN CONSTRUCTION

#### SURFACE PREPARATION

The surface should be healthy, clean, consistent, free of humidity and free of any trace of saltpetre, fungus, micro-organisms, dust, grease or whatever other material that could prevent the good adherence of the product itself.

Creating an irregular surface on the substrate by mechanical means is recommended to allow the mortar an additional mechanical adhesion.

If there are frames in sight they should be cleaned by sand blasting, high pressure water or wire brush. If these frames show signs of corrosion, you should also treat with RX-531 Rualaix Stop-Oxid once finished apply CX-65R.

The existing concrete should be clean, hard, consistent, grill with a hammer or a blunt object in order to detect loose parts.

#### HOW TO USE

Mix with clean water by hand or using a mixer, at the rate of 19% until you achieve a thick and homogeneous paste. For each kilo of powder add 190 g. of water. Let it rest for 5 minutes. Use a notched trowel to apply CX-65R with pressure to ensure a good compaction of the material.

Never add water on the mortar that has already lost its service life. Do not re-mix.

Finish should be done before the mortar has started to harden, use a sponge trowel or a trowel.

Protect from wind, frost and sun during setting.

### TECHNICAL FEATURES

SERVICE LIFE	5' - 10'	Thickness per layer	Minimum: 1 mm Maximum: 100mm (filling and repairs)
Setting	10' - 15'	Retraction (EN 12617-4)	≥ 2,0 MPa
Granulometry (EN 12192-1)	1000 μ	Expansion (EN 12617-4)	≥ 2,0 MPa
pH	12.0 - 13.0	Resistance to flexion (EN 12190)	≥ 9,0 MPa
Workability time (EN 13294)	4' - 10'	Adhesion (28 days) (EN 1542)>	≥ 2,0 MPa
RESISTANCE TO COMPRESSION	≥ 45 MPa	CHLORIDE CONTENT (EN 1015-17)	≤ 0,05 %
Cleaning of tools	Use water immediately. Can only be cleaned. Mechanically once set.	Carbonation Resistance (EN 13295)	Profundidad de carbonatación ≤ hormigón de referencia MC (0,45)

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### TECHNICAL FEATURES

ADHESIONS On cement substrates – 2mm layer	
TRIAL	RESULTS
Initial adherence (28d)	> 1.7 N/mm <sup>2</sup>
Adherence after immersion in water	> 2.2 N/mm <sup>2</sup>
Adherence after thermal ageing	> 0.7 N/mm <sup>2</sup>

DENSITY	
POWDER (g/ml)	PASTE (g/ml)
1,30 ± 0,07	1,70 ± 0,07

PERFORMANCE	
Kilogrammes of paste applied per m2 in 1mm thickness	1,5 - 2,0

### PACKAGING

FORMAT	20 kg	5 kg
UNITS/CASE		4 units
PALLETS	48 units	35 units



### INFORMATION OF INTEREST

The manufacturing process 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 and free from humidity.
- Store the containers between 5°C and 35°C.
- Recommended storage time: 12 months as from date of manufacture.

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

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### OBSERVATIONS

- The reading of this product's data sheet is indispensable for the correct use and application.
- The principles given in this data sheet have been obtained under normal laboratory conditions and on normal surfaces, results may vary, depending on the conditions of construction, (absorption of the surface, thickness applied, mixing water, temperature and humidity).
- 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 follow strictly the recommendations of use given.
- A previous inspection of the state of the surface before use is fundamental. Do not apply on dirty surfaces or ones with no cohesion.
- Use the product within its lifetime. Unfavourable properties can be obtained once this time is exceeded. Do not re-mix.
- Do not use outdoors in icy temperatures or days that forecasts rain.
- Do not apply on extremely crystalline surfaces.
- Do not apply on paint, wood or gypsum.
- It will lose its technical features if mixed with any other material. Do not add more than the recommended amount of water.
- Do not apply in temperatures under 5°C or over 35°C.
- Do not add cement, sand or any other substance that could affect the material's qualities.
- 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, ESTABLECIMIENTOS BAIXENS reserves its right to adapt the variable specifications or ranges of work, according to technical criteria. The information subject to modification, will 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.



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difference*

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