

CX-61G

Colbaix®

THIXOTROPIC REPAIR MORTAR

Thick thixotropic repair mortar suitable for repairing and restoration of exterior façades



CÓDIGO (EN 16566):

G3S3V3W2A0C0R0

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.
- Great loading power in each coat.
- Thixotropic non-drip.
- Setting product.
- Easy to mix.
- Fast absorption which allows and immediate go over.
- Waterproofed and fibered product.
- Can be used with or without frame.
- Reduced retraction.
- Highly resistant to cracking.
- Weather proof.
- Carbonation proof.
- Permeable to water vapour.
- Highly impermeable to chlorides.
- Sulphate resistant.
- Resistant to frost-thaw cycles.
- Elevated mechanical resistances.
- Excellent durability inclusive in aggressive environments.
- Storage: 12 months inside its original packing and kept free from damp and humidity.

IDEAL FOR

- Repairing and protecting structural elements, pillars, tunnels, ramps, beams, slabs, balcony fronts, cornices...
- Regenerating of any type of deteriorated concrete.
- Reinforcement of concrete structures jobs.
- Repairing corners, re-grading of joint/sealing lips, etc.
- Repairing and restoring cementitious-based horizontal substrates or non-trodden stone.
- Covering of gaps and cavities on cementitious or absorbent bases.
- Plastering and regularization of concrete surfaces in a vertical position.
- Repairing and covering of chips and holes.



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SURFACE PREPARATION

PREPARACIÓN DEL SOPORTE

El soporte debe estar sano, limpio y exento de toda traza de salitre, hongos, microorganismos, grasa, aceites desengrasantes, y en general, todo tipo de materia que pueda dificultar la buena adherencia del producto sobre el fondo.

Recomendamos crear una superficie irregular sobre el soporte mediante medios mecánicos para dar al mortero una adherencia mecánica adicional. Si existen armaduras a la vista deberán limpiarse con chorro de arena, agua a alta presión o mediante cepillo de púas metálicas. Posteriormente aplicar **RX-531 Rualaix Stop-Oxid** para proteger de la corrosión.

HOW TO USE

Mix with clean water by hand or using a mixer, at the rate of 26 - 27% until you achieve a thick and homogeneous paste. For each kilo of powder add 260 - 270 g. of water. Let it rest for 5 minutes. Use a notched trowel to apply **CX-61G** with pressure to ensure a good compaction of the material.

Never add water on the mortar that has already lost its service life.

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	1 hr. 30' – 2 hrs. 30'	Thickness per layer	Minimum: 1,5mm Maximum: 100mm (filling and repairs)
Setting	2 hr. 30' – 4 hrs. 30'	Retraction (EN 12617-4)	≥ 1,5 MPa
Granulometry (EN12192-1)	1500 μ maximum	Expansion (EN 12617-4)	≥ 1,5 MPa
pH	12.5 - 13.5	Resistance to flexion (EN 12190)	6,3 MPa
Workability time (EN 13294)	240' -375'	Adhesion (28 days) (EN 1542)	≥ 1,5 MPa
Resistance to compression (EN 12190)	≥ 25 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)	Carbonation depth ≤ Concrete of reference MCO.45

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TECHNICAL FEATURES

ADHESIONS on cement substrates – 2mm layer	
TRIAL	RESULTS
Initial adherence (28d)	> 1.6 N/mm ²
Adherence after immersion in water	> 0.5 N/mm ²
Adherence after thermal ageing	> 1.3 N/mm ²

DENSITY	
POWDER (g/ml)	PASTE (g/ml)
1,35	1,77

RENDIMIENTO	
Kilogrammes of paste applied per m2 in 1mm thickness 1,7	1,7 - 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 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.



BAIXENS

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