

ARGOTEC PASIVADOR

Anti-corrosion mortar and bonding coat for concrete reinforcements



ARGOTEC PASIVADOR is a single-component cementitious mortar for the protection of reinforcement against corrosion, formulated with hydraulic binders, mineral fillers, polymers and corrosion inhibitors that provide excellent adherence and passivating effect.

Presentation

- Appearance: Powder
- Colour: Grey
- Weight (kg): 4
- Yield (kg/m²): 2.0 kg/m² y capa
- Performance in mm thickness (kg/m²): 1,4
- Product code: 350245

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	20	-
Capillary Absorption (kg/m ² h ^{0.5})	W2	-
Fresh flow characteristics (mm)	≤ 111	-
Thermal conductivity declared (W/mK)	1	-
Chloride ion content (%)	≤ 0,05	-
Bulk density (kg/L) _v ~ Value	1,20 ± 0,25	-
Fresh mass density (kg/L) ~ Value	1,50 ± 0,25	-

Concept	Value	Standard
Espesor de aplicación (mm)	1	-
Water vapour permeability (m)	Clase I	-
Reaction to fire	A1	-
Compacting resistance 28 days (N/mm ²)	≥ 32	-
Compacting resistance 7 days (N/mm ²)	≥ 26	-
Retraction at 28 days (mm/m)	≤ 0,2	-
Hazardous substances	Ver HS	-
Application time (min)	30	-
Mixture lifetime (min)	30	-

Additional Technical Data

Concept	Value	Standard
CO2 permeability	Clase III	-

Scope

- Preventive protection layer for reinforcement against corrosion phenomena in concrete repair work. Principle 11. Method 11.1. Active coating.
- Bonding bridge between concrete and mortar prior to the application of repair mortars. Repair method 4.4.

Advantages & Benefits

- Outstanding Adhesion
- Free of chlorides.
- Easy application.
- Passivating.
- Projectable.
- Bonding bridge for repair mortars.
- Exterior and interior use.

Descriptive Memory

The preventive protection layer of the reinforcement against corrosion phenomena in concrete repair works or the bonding bridge between concrete and mortar before the application of repair mortars will be carried out with ARGOTEC PASIVADOR mortar with CE marking under the UNE EN 1504-7 standard, from the Argos cement derivatives company. The substrate must be sound, clean, free of friable parts, completely hardened and have completed its time of dimensional variation. The construction joints shall be

respected.

Support

- Steel reinforcement.
- Concrete structures.

Substrate preparation

- Cleaning of the reinforcement must be carried out by sandblasting, grade Sa 21/2 or by wire brush, grade St 3.
- The substrates must be clean and sound, free of grease, paint or other substances that would prevent proper adhesion.

Instruction for Use

1. Mix ARGOTEC PASIVADOR with 1.2 L of clean water per 4 kg, preferably by mechanical means, until a homogeneous mixture, thick, lump-free paint consistency is obtained.

A. As reinforcement protection: On previously treated reinforcement, apply a coat of approx. 1 mm thick with a stiff brush or spray gun. The second coat of the same thickness is applied after a waiting time of 4-5 hours at +20°C. Then wait the same time before applying the repair mortar.

B. As a bonding bridge:

The application shall be carried out by brush or stiff-haired roller or with the aid of a suitable spray gun, on the previously prepared substrate moistened to saturation. To ensure optimum adhesion, it is recommended that the ARGOTEC PASIVADOR coating penetrates well into the substrate and also into areas of unevenness. The best practice is to apply a first coat of ARGOTEC PASIVADOR as indicated above and after hardening (4-5 h) apply a second coat. The ARGOTEC REPAIR repair mortar is then applied, fresh on fresh, on top of the freshly applied layer.

Warning

- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Do not apply below 5°C or above 30°C.
- Do not apply on plaster supports.
- Protect the cool surface from direct sun, rain and especially draughts.

Handling, storage and preservation

- It is packaged in a 4 kg plastic jar that allows it to be stored for 12 months in its original sealed packaging, safe from dampness.

Cleaning of Work Tools

Tools are easily cleaned with water before the adhesive has hardened.

Safety and hygiene

- Disposal of the product and its packaging must be carried out in accordance with current legislation and is the responsibility of the end consumer of the product.
- For any information concerning safety issues in the use, handling, storage or disposal of chemical

residues, users should refer to the most recent version of the MSDS.

Notice

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