



CODE 7.648.6307

beton AS

Anti-carbonation flexible protective filler for exterior concrete

GENERAL PROPERTIES

BETON AS is a textured semi-gloss finish which proves suitable for the decoration & protection of cement infrastructures such as concrete & asbestos cement.

BETON AS offers a remarkable barrier effect against acid gases such as carbon dioxide and a good water impermeability.

The particular features of the binders employed offer a good chemical/mechanical resistance & an optimum flexibility even in hot climates - excellent when treating micro-fissures-.

BETON AS provides a texture that hides & covers minor imperfections in the surface when applied with a sponge roller.

INSTRUCTIONS

Substrate preparation:

- Masonry, plaster & concrete: ensure the substrate has weathered for at least 28 days. Clean thoroughly removing any product residues, dust, filth & unsound paintwork.
- Protruding reinforcing bars must be sanded (if possible) and cleaned thoroughly in order to remove rust & filth. Use BOIACCA PASSIVANTE 1.963.0040 as an anticorrosive treatment. Use ARD MALTA RAPIDA for structural repair work.
- Mould, moss & bacteria infested surfaces: after cleaning thoroughly, treat with SPRAY SAN 0.911 or ARDSAN RISANANTE MURALE 0.916.
- Ensure the surface is perfectly dry and apply a hand of SILIARD PRIMER (siloxanic water-repellent impregnating agent).
- Static cracks: widen to at least 1/2 cm using a flexible grinding wheel. Seal accurately with ARDELAST STUCCO (refer to the TDS 98) & verify the penetration process. Hairline cracks can be treated with an intermediate acrylic solvent based filler. Allow 12 hrs and apply 2 hands of BETON AS.

Application:

- Apply BETON AS (ready product) distributing uniformly with a brush or wool roller. The product must be applied continuously "wet on wet". Use a Hopper spray gun (with hopper-cup) for neat textured spraying.
- Allow 24 hrs and apply the second layer of BETON AS.

- Apply at a temperature range of + 5°C - 35°C & RH below 75%. Do not apply on surfaces exposed to the sun. Exterior surfaces must be protected against rain for at least 48 hours.
- Wash equipment immediately after use with water.
- Not suitable for the protection of horizontal surfaces subject to backwater.
- Store in cool, frost free premises.
- Surfaces with salt efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.

Refer to the PSDS for further details.

TECHNICAL PROPERTIES

| | | | |
|---|-----------------|--------|-------------------------------------|
| COLOUR | | | Customised |
| ASPECT | | | Satiny |
| MASS VOLUME | | | 1230-1290 g/l |
| DRY RESIDUE | | | 40-44% |
| DYNAMIC VISCOSITY | | | 10.000 ± 15.000 cP |
| DRYING AT 20°C | TOUCH DRY | | 4 hrs |
| | THROUGH DRYING | | 48 hrs |
| RECOATABLE | | | 24 hrs min. |
| PERMEABILITY (CARBON DIOXIDE) | EN 1062-6 | | Complies (Sd CO ₂ > 50m) |
| CAPILLARY ABSORPTION & WATER PERMEABILITY | EN1062-3 | RESULT | Complies (w<0,1) |
| ADHERENCE FOR DIRECT TRACTION | EN 1542 | RESULT | Complies |
| THERMIC CYCLES WITHOUT THAWING SALTS | EN 13687-3 | RESULT | Complies |
| EXPOSURE TO ARTIFICIAL ATMOSPHERIC AGENTS | EN 1062-11-2002 | | No peeling |
| | | | No fissures |
| | | | No flaking |
| HAZARDOUS SUBSTANCES | | RESULT | Complies |

YIELD

Approx 1,3 m²/l per 350 µm.

TENDER SPECIFICATION ITEM

ANTI-CARBONATION FLEXIBLE PROTECTIVE FILLER FOR EXT CONCRETE

2 layer application on treated surfaces of protective coating based on acrylic copolymers in aqueous emulsion & solid light-fast outdoor resistant pigments – suitable for the treatment of interior/exterior surfaces with hairline cracks – type BETON AS with a minimum consumption of 0,77 l/m².

€/m²

The data herein were correct at the time of Quality Control and refer to standardized environmental conditions.
The same are to be considered as a guide.
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