

TECHNICAL DATA SHEET

----- FAÇADE DIVISION -----

Betoncryll Malta

sez. 1.0 Technical characteristic

BETONCRYLL MORTAR is a special tixotropic, non shrinking, pre mixed powder mortar for the restoration of concrete structures. The product consists of special kinds of cements, selected inert fillers, synthetic fibres and acrylic resins resistant to concrete pH. BETONCRYLL MORTAR by OIKOS is easy to apply both on walls and ceilings, thanks to its tixotropic nature and excellent adhesion. BETONCRYLL MORTAR is waterproof, prevents water infiltration and resists to frost thaw cycles. Its hardness and resistance make it especially suitable for restoring edges of beams and balconies, for levelling parts subject to wear or for rebuilding deteriorated areas with cracks and fissures. It has a low odour level, is non inflammable and is friendly to both humans and the environment.

sez. 2.0 Ideal Use

Rebuilding and repair of concrete.

sez. 3.0 Surface preparation

Clean the surfaces to be treated and remove rust, dust, excess water and flaking materials. Thoroughly wet the base, allow the water in excess to be absorbed, apply BETONCRYLL PASSIVANTE by OIKOS both on the reinforcing metal and the concrete. Wait about 30 ÷ 40 min.

sez. 4.0 Application method

Before use, BETONCRYLL MORTAR must be well mixed with 18 ÷ 20% drinkable water to obtain a homogenous paste. Working time: about 1 hour. After preparation, apply BETONCRYLL MORTAR by using a trowel. After adhesion, the product can be worked on by using a float, paying attention to keep the surface wet. Apply a coat of product at least 3 mm thick, not thicker than 3 ÷ 4 cm.

sez. 5.0 Finish

BETONCRYLL PIGMENTED by OIKOS

sez. 6.0 Technical Characteristic: application

Dilution	18 ÷ 20% drinkable water.
Yield	19 kg/m ² with 10 mm thickness
Application tools	Stainless steel trowel
Base coat	BETONCRYLL PASSIVANTE by OIKOS
Application temperature	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time: tack free	12 hours (temperature = +20°C with relative humidity not exceeding 75%)
Drying time: fully cured	28 days (temperature = +20°C with relative humidity not exceeding 75%)
Tools cleaning	Water

sez. 7.0 Technical Characteristic: the product

Composition	Special cement powder, acrylic resins, selected inert fillers, synthetic fibres, additives aimed at helping application and drying
Specific weight	Initial: 1.35 kg/l approx., once mixed: 1.9 kg/l approx.
pH	12 ÷ 13 in water solution.
Viscosity	powder, thick paste after preparation.
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Available colours	Cement grey
Packaging	Kg 25

sez 8.0 Toxicological data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

sez. 9.0 Specifications

Clean the surfaces to be treated and remove rust, dust, excess water and flaking materials. Thoroughly wet the base, allow the water in excess to be absorbed, then apply a special neutralising agent such as BETONCRYLL PASSIVANTE by OIKOS both on the reinforcing metal and on the concrete. Wait about 30 ÷ 40 min., then apply a mortar such as BETONCRYLL MORTAR by OIKOS with a thickness of 3 ÷ 40 mm. All must be carried out following closely all application instructions, cost per m² including application and materials. Scaffolding not included.

Note

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct. Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put