

Product

DUROGLASS FU BIANCO TIX

cod. 4525 M200
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SPECIAL THREE PART UNDERCOAT BASED ON EPOXY RESIN AND REACTIVE INORGANIC COMPOUNDS, FOR SURFACE PREPARATION. CAN BE USED ON DAMP SURFACES.

Features

- Adheres to compact and porous construction materials, even if damp, and to unseasoned concrete.
- Forms an effective counter-thrust water barrier.
- Creates a waterproof layer which is permeable by water vapour.
- Various finishing cycles can be applied on top of it, including transpiring products and those impermeable to water vapour.
- Its solvent-free formulation means it can be applied in closed and poorly aired environments.
- After hardening and treatment with suitable waterproof finishing products, it is able to resist water counter-pressure of 10 bar.
- Can be applied at temperatures of +5°C to +45°C with maximum 85% relative humidity on support.
- Operating temperature from -from -35°C to +110°C (in air), + 65°C in water.

Application field

- General purpose undercoat for the protection of cement coated supports.
- Treatment of damp cement surfaces to fix in place protective, anti-corrosion and waterproofed coverings.
- Treatment of damp cement surfaces to fix in place continuous resin flooring or discontinuous tiled surfaces, provided suitable adhesives are used.
- Treatment of damp brickwork to fix in place and insulate plaster and finishings or as a direct damp-proofing treatment.
- Encapsulating and consolidating treatment on fireproof coverings, insulation and flooring containing asbestos.
- Smoothing over and elimination of rough patches on non-reinforced concrete.
- Repair and plastering of uneven surfaces.
- Smoothing over of concrete flooring prior to the application of self-levelling layers.
- Smoothing over of tiled surfaces of terraces and balconies prior to the application of self-levelling layers of waterproofing materials.
- Smoothing and waterproofing treatments for the containment of water in channels, collector basins and piping.
- Repair and plastering of uneven surfaces.

Instructions for use

DUROGLASS FU BIANCO TIX is a three part product to be mixed immediately prior to use in the following way: mix A with B until fully liquid,

add powder C and mix in a mechanical agitator until a lump-free paste is obtained. Depending on the type of use and the problems to be resolved, the product may be used as obtained, diluted to varying degrees with water, or with the addition of quartz 0.06-0.25 mm (S1). The dilution process and the addition of inert substances should always take place after the three parts have been mixed. The quantities of diluting water used should never exceed the maximum limits set out in the "Application" section.

After use, the tools should be washed thoroughly in water.

During the application of DUROGLASS FU BIANCO TIX, no additional water should be allowed to filter through from the foundations, environment or in the form of residues from washing processes. Suitable steps should be taken to prevent this from happening. The objective of carrying out treatment with DUROGLASS FU BIANCO TIX is to obtain a continuous, even undercoat, with insulation from water contained in the construction materials where required. DUROGLASS FU BIANCO TIX forms an effective barrier against water, even when in counter-pressure, as a result of which epoxy, polyurethane and epoxy-polyurethane, including elastomer, finishing cycles may be applied on top for the formation of protective, anti-corrosion or waterproofing coverings on damp cement supports laid on the ground.

DUROGLASS FU BIANCO TIX used on damp brickwork laid on the ground or subject to general upsurge forms a vertical barrier against liquids, but permeable by water vapour, on which plasterwork may be reconstructed.

DUROGLASS FU BIANCO TIX is suitable for application on discontinuous floor surfaces (wood, PVC, linoleum, etc) and on not completely dry cement blocks.

Application

The surfaces to be treated should be free of dust, friable parts, non-adherent layers and pollution from foreign bodies. The preparation methods (sanding, water-sanding, water jets, roughcasting, shot blasting, scarifying, etc) should be selected as required, but dry application is always necessary in the event of surface pollution or saline efflorescence.

Even if new and in good condition, concrete surfaces require a roughening preparation to be selected from those indicated and should have a surface tear resistance of > 1.5 MPa.

For even surfaces with normal humidity, it is generally sufficient to apply a layer of product diluted with 8-10% of water, with a consumption of 500 g/m². For uneven surfaces, the consumption may be increased in proportion up to 1,500 g/m² by reducing the dilution water proportionately. When the thickness has to be trimmed to 2 mm, add 1:0.5 in weight of 0.06 of spherical quartz (S1) and dilute the product with 5% of water. In this case, the consumption of DUROGLASS FU BIANCO TIX will be 1,000-3,000 g/m² depending on the thickness. With very damp surfaces in counter-thrust, apply a second layer of DUROGLASS FU BIANCO TIX after trimming, with a consumption of 500 g/m². NO treatment with DUROGLASS FU BIANCO TIX should be covered before 48 hours have lapsed in ideal conditions (20°C, 60% RH), or in any case before complete drying has been confirmed using a hygrometer. In foundation humidity and poor environmental conditions, we recommend drying times of up to 6 days, and the application of two or more layers of product, which should be completely dry before any further finishing operation with coverings is carried out. DUROGLASS FU BIANCO TIX

should be applied with a brush, spatula or airless spray, depending on the circumstances. In this latter case, use 45/60:1 piston pump devices with tungsten carbide nozzles adjustable 0.025"-0.029" and pressures in the region of 250 bar, and dilute the product with 5-10% of water. The dry, hardened layer of DUROGLASS FU BIANCO TIX is covered directly with any type of epoxy coating, with or without solvent, with the exception of DUROGLASS P1/1 spreading product, which require the pure resin without additives as fixing agent. ELASTOSTAR T/1 and ELASTOSTAR K may be applied directly or with DUROGLASS FF 4416 protective agent when the surfaces are very damp and in counter-thrust and subject to immersion in water. Two part polyurethane coatings always require the preliminary application of POLISTAR FC.

On brickwork, after setting up the vertical barrier with DUROGLASS FU BIANCO TIX, the reconstruction of the plasterwork should take place by means of the application of a grout obtained by mixing LATTICE STAR and Portland 32.5 R cement by 1:2 in volume.

The gluing of discontinuous flooring should always take place using epoxy or two part epoxy polyurethane adhesives.

Technical data

Color	white
Specific weight	1.8 ± 0.02 Kg/l
Pot life at 22°C	40 minutes
Thickness	200 microns per 500 g/m ²
Hardening at 22°C, 50% RH	- dry to the touch 40 minutes - insensitive to rain 9 hours - over-application 48 hours minimum, no maximum limit - completely hardened 15 days
UNI ISO 7783-2 level of permeability to water vapour 200 micron	> 100 g/m ² /d
ASTM D4541 adhesion to concrete	> 3.5 MPa or breakage of concrete
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 12 months. Avoid frost.

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.