Product

DUROGLASS FU BIANCO TIX

cod. 4604
9291 0000

WATER BASED 3 COMPONENT MODIFIED EPOXY

Features

- DPM primer designed for gaining adhesion on humid substrates up to 10 bar of back-pressure.
- Solves humidity problems allowing safe application for all kinds of floorings.
- Can be over coated with both transpiring or vapour/water proof coating systems.
- Overcoating 24 hrs / 20°C / 75% RH.
- Can be used also for scratch coats or roller applications.
- Application temperature from +5°C to + 30°C of the substrate.
- Operating temperatures from -35°C a +110°C.

Application field

DPM primer designed for adhesion on humid substrates of:
- floor coatings
- seam-less waterproofing systems
- anticorrosive rigid and elastic coatings
- hydraulic infrastructures

Suitable for sealing concrete when it's porous.
Perfect adhesion to ceramic tiles without mechanical preparation.

Substrate Preparation

The concrete substrate must be clean, dry and free of contaminants and of mould. Substrate must be sound and with a minimum pull of strength of 1.5 N/mm^2.
Concrete substrates must be properly mechanically prepared, using sandblasting or water-jet.
For usage with self-levelling mortars broadcast every layer with quartz and remove the excesses.

Mixing

3 component compounds to be mixed prior to use. Prior to mixing the liquid components should be checked for being within the tempera- ture range of 15-20 °C.
Pour component B into component A, and mix for 1-2 minutes to create a homogenized mix, carefully add component C while mixing being careful not to heat the mixture by over mixing or mixing at high speed. Once the mix has been completed application can commence. The high speed curing time must be considered and planned within the specific job-site environmental conditions and organization.

Application

Use rollers, brushes trowels or spraying equipment for application according to the situation. In case of airless spray use 0,025"-0,029" nozzle and pressure of 250 bar minimum and dilute the product with 5-10% of water.

a) Regular surfaces: theoretical consumption of the product is about 500 g/m^2 if diluted with 8-10% of water.

b) Irregular surfaces: theoretical consumption of the product may increase until 1,500 g/m^2 if diluted with 5-8% of water.

c) Thick covering: for thickness of 2mm charge (1:0,5) using quartz 0,06 – 0,25 mm (S1) diluting the product with 5% of water and the theoretical consumption is 1.000 – 3.000 g/m^2 according to the desired thickness.

In case of dump surface second coat is necessary with a consumption of 500 g/m^2.

Do not over coat the product before 48 hours or more in case com- plete hardening is not reached.

Compatible with solvent and solvent free epoxidic coating.

Plaster layer on masonry walls can be applied after a coat of DUROGLASS BIANCO TIX and LATTICE STAR/Portland cement layer.

Clean the tools with water or alcohol after every usage.

Job-site conditions.
Temperatures, atmospheric, safety and technical conditions should be thoroughly considered and checked before applications start every time and day.

Colour and batches
Different batches should be kept for use where direct colour comparison cannot effect the final result. Patching works done at a later date, could show a colour difference and should be considered with the client before patching to avoid subsequent problems. Patch works should be done with no other batches than the one to be compared with. Eventually a part of material, batch by batch, should be kept aside for preventive caution.

System appearance.
Systems change slightly in color after some time. Aggregates included could show slightly after some time and due to very intensive use, This has no major effect on the performance and original texture of the floor.

Cleaning
The systems should be cleaned regularly in order to maintain the expected performance from the flooring systems in terms of durability, safety, appearance. Generally standard cleaning including typical chemicals used for cleaning floors frequently can be used. Contact Technical Assistance for specific information if in doubt. Small sample testing can be useful.
A first thorough cleaning should be done after 3 days prior to final intensive use.

Maintenance
Maintenance issues should be discussed with our Technical Assistance service. Advice and general durability parameters and preventive treatments is available to provide the expected long-life of the floor system.

Health and safety
Please refer to MSDS Material Safety data Sheets of the products part of the system to be applied. Before applications start make sure these documents are on site

Technical Data Sheets
Together with MSDS they should be on site. Last and up-dated versions are available at all times asking directly to main offices. Web site documents may have on-going up-dating issues.

Technical assistance.
Please contact our offices for any issue.

Technical data

Colour	White
Specific weight	1.75 ± 0.05 Kg/l
Theoretical thickness	200 micron per 500 g/m^2
Pot life at 25°C	45 minutes
Hardening 22°C, 50% U.R.	- dry to the touch 40 minutes - insensitive to water 9 hours - over-application 48 hours - fully hardened 15 days
Permeability to carbon dioxide EN 1062-6	Sd > 50 m
Global migration UNI EN 1286-1	< 1mg/dm^2 using ethanol 20%
Global migration UNI EN 1286-1	< 1,9 ± 0,5 mg/dm^2 using acetic acid 3%
Colouring migration UNI EN 1286-5	100% ± 0,5 using acetic acid (3%) and ethanol (20%)
Hydrostatic inverse compression resistance UNI 8298 p.8	250 kPa
Capillary absorption, water permeability EN 1062-3	W< 0,1 kg/m² x $h^{0.5}$
Compatibility with humid concrete EN 13578	No swelling, no cracking, no spilling. > 3,5 MPa
Adhesion to concrete UNI EN 1542	> 3,0 MPa or breakage of concrete
Storage	Product kept in its original, sealed packaging in dry and protected environment with temperatures between +5°C and +35°C it maintains for 12 months.