



WINPOX CEMENT TIXO

Art. code see DDT

Date of issue 05Oct2015

Review nr. 05

Page 1 of 4

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MEETS THE EU NORM

UNI EN 1504-2(C)

STANDARDS

MC-IR

PROTECTION OF CONCRETE SURFACE

DESCRIPTION OF THE PRODUCT

Developed by WINKLER Research and Development Laboratories WINPOX CEMENT TIXO is a three-component low thickness thixotropic epoxy cementitious covering, specially designed to form a waterproofing and abrasion resistant layer over interior or exterior cementitious surface.

FEATURES

All three components are pre-measured and after low speed mixing the product is easy to apply with trowel. WINPOX CEMENT TIXO has a superior adhesion over a wide variety of building materials as: concrete, cement blocks, tufa, natural stone, and bricks. Good adhesion on damp surfaces. It has excellent waterproofing capacity for negative water pressure. It can be used on exterior and interior applications. Can be covered with every cycle of epoxy, polyurethane and epoxy-polyurethane resins, in low, medium or high thickness.

USE FIELDS

WINPOX CEMENT TIXO can be used for the preparation of damp or wet surfaces due to negative water pressure, where subsequent treatment (application) requires a dry substrate:

- Over damaged concrete structures, walls and floors, even lacking of vapor barrier.
- As intermediate coat directly over damp concrete foundations (dry after application) intended to receive successive resin(s) coverings.
- As waterproofing covering, on walls and floors, concrete pools or tanks containing industrial or hydrant non-potable water.
- To stop leaks within cementitious building materials (stones and bricks included) horizontally and/or vertically.
- As leveling, waterproofing and anti-freeze coat for floors of balconies, before the application of tiles.
- As anchor primer for self-leveling, cementitious coverings.

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IN CASE OF DOUBT PLEASE CONSULT OUR TECHNICAL SUPPORT



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Page 2 of 4

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- In underground rooms, with a strong presence of moisture, even with waterlogged support, elevator shafts, cementitious casseroles, skim of plaster, under tiles for walls and floors of swimming pools, terraces, balconies.
- As a vapor barrier in both vertical and horizontal applications.

Can be covered with all WINKLER liquid membranes, WFZ5 WINFLEX-CEMENT and WINFLEX-CEMENT SUPER, with WINKLER cementitious adhesives ROYAL SUPER SP, ROYAL EXTRA R and the waterproofing tile adhesive BOND CEMENT, as well as WINGRIP EVO and WINGRIP BITUMINOSO.

Use UNIBAR FORMULA as primer before the application of polyurethane finish WINPAINT.

SURFACE PREPARATION

Clean all support surfaces thoroughly in order to eliminate dirt, dust, and loose materials, any form of oil or grease and foreign or bonding-proof matters. The concrete constituting the contact surface must be stable and resistant.

Preparation of the foundation depends on the type of the support and can be made by sandblasting, milling, peening, rubbing or sanding.

Any gravel residual, cavities, honeycomb holes, must be regulated by successive applications and curing of WINPOX CEMENT TIXO.

Free and stagnant water coming from foundation, previous washings or meteorological events must be removed. Damp or surface wetness of the substrate is strongly recommended prior to the application of WINPOX CEMENT TIXO.

APPLICATION

WINPOX CEMENT TIXO is packaged into separated and pre-dosed packages for the three components (A+B+C). In order to prepare WINPOX CEMENT TIXO please follow the steps below:

1. Add component B to component A collecting the entire catalyst (component B). Mix at low speed (max 300 RPM), carefully avoiding the formation of air bubbles;
2. When the mixture is homogeneous, add slowly, component C (inert) while continue mixing and low speed.

WINPOX CEMENT TIXO can be applied as it is or watered down (max 10%) or further charged with thin quartz in ratio 1:0.5 depending on the type and estate of the support.

Mix and apply only at temperatures between 5°C and 35°C, applicable to ambient and substrate. The higher the temperature, the faster the product dries, therefore, if temperatures are close to the high limit, we suggest to mixing half the quantities of all components at the time to avoid curing of the mixed material while still applying.

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Page 3 of 4

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Apply the product with trowel in thickness of 1 to 3mm depending on the substrate.

CONSUMPTION

2-2,2 kg/m² per 1 mm wet thickness, depending on the porosity of the substrate.

WARNING

Do not use if container is damaged.
Do not add water and / or solvents.
Sanding before over-applying other products

PACKAGING

15.4 kg per container containing:

Component A 0.90 kg

Component B 2.50 kg

Component C 12.0 Kg

Individual packs for a total of 30.80 Kg comprising:

Component A 1.80 kg

Component B 5.00 kg

Component C 24.00 Kg

STORAGE

WINPOX CEMENT TIXO has a shelf life of one year when stored in original sealed packaging in a cool, dry place, at temperatures between 5°C and 30°C. When stored at lower temperature limit, the resins have the tendency of crystallization. This effect can be removed without influencing the quality, by slight swirling movement of the individual components.

SAFETY INSTRUCTIONS

PRECAUTIONS

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Page 4 of 4

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For information about safety, user must refer to the most recent Manufacturer Safety Data Sheet, edited in accordance with the regulations in place, which contains physical, toxic and other data about the product in use.

ECOLOGY

Do not dispose the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

TECHNICAL AND APPLICATION DATA

Colour of compound	Grey
Specific weight at 23°C (g/cm ³)	2,20
Pot-life (min)	20 + 5
Over-painting time	From 24 h to 7days
Resistance to compression after 28 days (N/mm ²) EN 12190	60 ± 5
Resistance to flexion after 28 days (N/mm ²) EN 196/1	15 ± 5
Waterproofing (kg/m ² h ^{0.5}) EN 1062-3	W < 0,04
Resistance to negative pressure UNI EN 12390-8 (on concrete A/C.0,6)	7 bar
Adhesion to concrete EN 1542 after 28 days (N/mm ²)	> 5
Adhesion to concrete after 50 frost/thaw cycles by thawing salts EN 13687/1 (N/mm ²)	> 4
Fire reaction EN 13501-1	A2-s1,d0

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