ANTICORR 280 MuCis®

SYSTEM : ANTICORR 280 Ist layer MuCis® + ANTICORR 280 IInd layer MuCis®

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POLYMER CEMENTIOUS PROTECTION, ANTICORROSION, ANTICARBONATION, ANTICRACK, FLEXIBLE, WATERPROOFING FOR EXPOSED REINFORCED CONCRETE STRUCTURES

CE approved – Certificate n. 1305 - CPD - 0808
EN 1504-2 table ZA.1d

Description Component A powder is based on special cements and selected additives which catalyse and participate in the polymerisation of the component B to obtain a elasto-plastic waterproofing and protective membrane. The flexible membrane contains corrosion inhibitors MuCis® - Multiple Corrosion Inhibiting Synergies.

Advantages/ fields of use Where a protective, crack-bridging waterproofing membrane is required, with maximal protection against corrosion of the reinforcement, and against carbonation of the concrete.

- Waterproofing and anti-corrosion protection of all reinforced concrete structures, having the ability to bridge all existing or coming-cracks.
- The inhibitor MuCis® as admixture, protect the steel against oxidation by direct contact, or by migrating through the concrete structure (MuCis® joins and protect the reinforcement steel inside the structure) .

Method of use

Preparation of the substrate

The support has to be free from friable parts or dust, deposits, fats, oils and water stagnation points. In the case of presence of algae and fungi, it's recommended to wash carefully with GOLDEN DEMUF, and remove the spores mechanically. If needed, this operation has to be repeated.
NOTE: in case of supports with high porosity and clear superficial faults we suggest a previous finish with BS 38 MuCis® bicomponent. Such use is particularly recommended in the waterproofing and tiling of balconies and terraces in order to obtain a good planarity of the support before the application of ANTICORR 280 MuCis®.

Primerization:

Apply by brush or roller the Primer SB MuCis® (solvent based) or Primer WB MuCis® (water based), depending on the climatic conditions of application (with strict temperatures and high humidity it is recommended Primer SB MuCis®).

Preparation of ANTICORR 280 MuCis®

Poor the liquid component into the recipient, and add gradually the powder while mixing with an efficient mixer, till the slurry is homogeneously dispersed and free from lumps.
Application 1st layer: apply by trowel to 1 mm thickness.
Application 2nd layer: apply the second layer, 1 mm thickness, when the first layer is completely dry .
The second layer, when almost cured, can be smoothed by using a soft sponge, soaked in water.

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Remarks In order to obtain optimal performance the product needs to cure by evaporation of the water (into the atmosphere or by suction into the substrate) and only than the process of film formation/polymerisation will be guaranteed.
Therefore avoid the application on humid substrates and in cold and humid conditions. **Avoid application on hot supports!** Avoid applications when temperature is below +5°C. Avoid application with relative humidity > 75 %.
Storage : 12 months in original and not opened packaging, keep in protected and dry ambient with temperatures between +5°C and +35°C. Don't use the product in already opened bags if there is agglomeration of powder. Avoid the freezing of liquid component.

Packaging Bag of 25 Kg + can of 8,25 Kg

Technical characteristics (typical values)

• Consumption	Kg/m^2	1,6÷1,8
• Bridging capacity	mm	Up to 1
• Water permeability	bar	Impermeable till 1,5
• Water vapour permeability (DIN 52615)	μ	100÷200
• Setting time (20° C – 50% R.U.)	hours	4
• Colour		Ivory white
• Elasticity modulus	MPa	< 45
• Adhesion to substrate	N/mm^2	> 1
• Elongation	%	≥ 20
• Coeff. resistance CO_2 penetration	μ	≥ 130.000

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ANTICORR 280 IInd layer MuCis® COLOURED FINISHING

ELASTOPLASTIC COATING ANTICORROSION FOR THE FLEXIBLE COLOURED FINISH AT LOW THICKNESS AS IInd LAYER OVER ANTICORR 280 MuCis® FOR THE PROTECTION OF EXPOSED REINFORCED CONCRETE STRUCTURES

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Description ANTICORR 280 IInd layer MuCis® COLOURED FINISHING is an elasto-plastic membrane, formulated with special water based dispersions, and is particularly designed as second layer over ANTICORR 280 MuCis® to achieve a rapid, coloured flexible and anti-corrosion finish .

ANTICORR 280 IInd layer MuCis® COLOURED FINISHING can also be used in a single layer application on good quality renders, after application of **PRIMER SB**.

Advantages

- Applied in one layer by stainless steel trowel, allows a fast, low thickness flexible and coloured finish.
- Large range of colours available.
- Water based, ecologic, does not contain solvents.
- Waterproof to rainwater and components transported within.
- Very good water vapour transmission.
- Elastic bridging , remains flexible also at low temperatures.
- Durable, resistant and protective decorative finishing.

Fields of use **II layer** as coloured finish over ANTICORR 280 MuCis®.

Method of use Applied on ANTICORR 280 MuCis® when perfectly cured and dry. Application by stainless steel spatula, and also finished with the same type of spatula in a circular movement .

Remarks Do not apply when temperature is below 8°C. Avoid applications in very humid or very hot environment .

Packaging Pails of 25 Kg

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Technical characteristics (typical values)

• Consumption	1,2÷1,7 Kg/m^2
• Particle size distribution	0 – 1,25 mm
• Elongation (prEN842) 28 days	33 %
• Bridging capacity	Up to 1 mm
• Tensile strength 28 days	0,37 N/mm^2
• Water absorption Karsten (prEN-837-X)	< 0,1 ml 24 h
• Adhesion (prEN847)	> 1 N/mm^2
• Flexibility at low temperature	- 35 °C
• Drying time (at 20°C)	3 h
• Rain proof time (20°C/sunny/windy)	1 h
• Water vapour permeability (din 52615)	μ 220
• Resistance to CO_2 penetration	μ 120.000
• Water vapour transmission coefficient (prEN 1062-2)	60 g/m^2/day
• Capillary water absorption (Kg/m^2/ h ½)	0,1

Consumption As second layer on ANTICORR 280 MuCis®: 1÷1,6 Kg/m^2

As first layer on primerized and smoothing support : 1,2 ÷1,7 Kg/m^2

Colours As per our colour charts
Colours “ad hoc” can also be made on request.

Storage Store in a dry protected environment, above +5°C. Keep separated from ground. The closed packaging can be kept in these conditions for 1 year.

Precautions ANTICORR 280 IInd layer MuCis® COLOURED FINISHING is not dangerous but it is recommended to wear eye and hand protection. In case of contact with skin, wash abundantly with water. If occasionally swallowed, drink water sufficiently.

Safety indications Read carefully the safety indications on the packaging, or consult the relevant safety data sheet of this product.

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