



Systems for dehumidification, hydrophobation, thermal-acoustic insulation, waterproofing



Certified Quality System since FEBRUARY 1993

From Project to Jobsite

ANTICORR FINITURA COLORATA MuCis® - FLEX

FLEXIBLE PROTECTIVE AND DECORATIVE COATING FOR CONCRETE AND MASONRY - PHOTOCATALYTIC

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

Description ANTICORR FINITURA COLORATA MuCis® - FLEX is a water based coating at thickness formulated with special acrylic copolymers, silanes and special additives, ready to use. Applied with a spatula on cracked substrates of concrete or masonry, creates a coating that is extremely flexible, with long durability and excellent aesthetics. The high titanium dioxide content makes the product photocatalytic.

Advantages

- Quick and easy application with trowel (stainless steel).
- Is water-based, contains no solvents or toxic elements and is odourless.
- Is waterproof for rain water and the pollutants with it conveyed but at the same time, allows transpiration of water vapour inside.
- It has an excellent adhesion to the substrate.
- Creates a permanent elastic bridge over micro-cracks, with excellent elongation values and recovery.
- Very durable and with excellent strength and protective ability against the action of acid rain, freeze-thaw cycles, ultraviolet.
- Has the same appearance of a mineral coating.
- Has a photocatalytic function towards atmospheric pollution.

Indication of use

- Protective, decorative and photocatalytic finish for facades in concrete and masonry also subject to aggressive environments such as industrial, urban pollution etc..
- Flexible finish to cover cracks.

Method of use

The substrate must be dry and free from efflorescence, oils, mould or other previous treatments that can reduce the adhesion. Traces of mildew and mould must first be cleaned with a fungicide treatment as antiALMUF-tec. If necessary, the treatment must be repeated with repeated application, taking care that the substrate can dry between treatments, till all contamination is disappeared.

The substrate that is damaged, brittle and with large cracks should be cleaned in depth and eventually consolidated with BS 38 MuCis®.

On all new substrates, cleaned or repaired, it is always recommended to use a first coat of the correct primer (such as PRIMER WB MuCi® or, even better, the PRIMER SB MuCis®): consult our technical service if necessary) to obtain maximum adhesion, in order to avoid air inclusions in the coating from the support, to avoid the risk of subsequent delamination that can occur on substrates with difficult conditions of use and in order to allow the best chromatic homogeneity of colour which, as is known, is related with the homogeneity of the absorption by the support. Before starting the application with ANTICORR FINITURA COLORATA MuCis® - FLEX mix well, do not add water. Apply a first layer with a spatula to a rough coat strongly pushed into the substrate, so as to obtain an average thickness of 1 mm, and finish subsequently smoothing with the same spatula.

Remark

Do not apply if temperature is below 8°C, and it is expected that the temperatures drop below this limit in the next 48 hours.
It is not advisable to start the application if there is high humidity.

Packaging Pails of 25 kg

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Technical characteristics (typical values)	• Density EN 2811-1	~ 1,45 Kg/l
	• Viscosity Brookfield LV EN ISO 3219	320 ± 40 Pa.s
	• Solid content in weight	75,6%
	• Solid content in volume	61%
	• Particle size distribution	0 ÷ 1,80 mm
	• Particle size distribution 'fine'	0 ÷ 1,25 mm
	• Bridging on micro-cracks	1 mm
	• Bridging son microcracks 'fine'	0,8 mm
	• Elongation (prEN842) 28 days	~ 32%
	• Tensile strength 28 days	~ 0,35 N/mm ²
	• Tensile adhesion EN 1542	> 1,5 N/mm ²
	• Flexibility at low temperature	-35°C
	• Tack free (I-54)	~ 3 h
	• Coeff. Resistance to CO ₂ diffusion (μ) EN 1062-6	~ 50000
	• Permeability to CO ₂ EN 1062-6	S _D = 113 m
	• Coeff. Resistance to water vapour (μ) EN ISO 7783-1	398
	• Transmission rate of water vapour EN ISO 7783-1	V = 23,6 g/m ² x d S _D = 0,89 m
• Capillary water absorption and water permeability EN 1062-3	0,07 kg/m ² /h ^{0,5}	

Consumption The average consumption is about 1,35 – 1,6 Kg/m² in function of the roughness and the permeability of the substrate. For a more effective figure, it is recommended to perform a test on the substrate to be treated.

Colours As the colour chart.
The lot number on the packaging determines the production lot. Between a batch and the other some slight differences in colour are possible. For optimal result, it is recommended to apply the product always in similar climatic conditions.

Storage Keep in area without moisture, covered, with a temperature not less than +5°C. Keep off the ground. Unopened packages have a shelf life of 1 year.

Precautions ANTICORR FINITURA COLORATA MuCis® - FLEX is not dangerous but it is advisable to wear gloves and goggles. In case of accidental contact, flush eyes and skin with water. If accidentally swallowed, drink plenty of water.

Safety indications Read carefully the safety instructions on the packaging or eventually ask the specific Material Safety Datasheet of this product.

This information is based on our experiences and latest laboratory testing. The above information may be subject to modifications, which will be announced in the updated technical datasheets. Eventual changes to the information on top will be announced on www.tecnocem.it in which the technical datasheets are updated regularly and always the most updated can be found. Tecnochem Italiana cannot held responsible for poor results that are due to causes unconnected to the quality if the product or for defects deriving from factors different than the quality of the product including the wrong storage.

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