



MuCis®
Multiple
Corrosion
Inhibiting
Synergies

From Project to jobsite



Certified Quality System since **FEBRUARY 1993**

MuCis® mia 201

MULTIFUNCTIONAL MIGRATING CORROSION INHIBITOR FOR THE PROTECTIVE IMPREGNATION ON THE SURFACE OF EXISTING REINFORCED CONCRETE

Description MuCis® mia 201 is a multifunctional migration and silane active corrosion inhibitor for concrete. Combines protection, as well as cathodic as anodic, interfacial contact steel/concrete, and by migration: its chemical nature, the vapor pressure of the molecules allow migration through porous concrete to reach the internal steel reinforcement, protecting it and prolonging the life of the structure.

Advantages and characteristics MuCis® mia 201 can be used as such, but achieve optimal synergy in combination with our systems VHDRS® (Very High Durability Repair and Systems), to protect the steel bars of the reinforcement against corrosion reactions, cathodic or anodic.

- Migrates through the porosity of the concrete.
- It is fixed by the reaction of the active silica with lime hydrolysis.
- Inhibits corrosion processes, does not contain any nitrites, is an organic solution in water.
- Is not toxic. Is easy to apply by brush, roller or spraying.

Indications of use MuCis® mia 201 is recommended for all structures in reinforced concrete, normal or pre-compressed, particularly when used in heavy stressed environments like bridges, viaducts, garages, parking lots, marine structures,...

MuCis® mia 201 is also part of the systems VHDRS® (Very High Durability Repair and Systems). In order to prevent corrosion reactions, we advise to apply 1 or 2 layers of MuCis® mia 201 followed by the application of our water based protective coatings SILPAINT or TECNORIV AC 50 in order to achieve maximum protection and synergetic reactions with the steel reinforcement in the concrete.

Method of use Apply in 1 or 2 layers with an interval of 8 hours. After the second layer, when the surface is opaque, wash with water; after 1 or more days, wash again the surface with 100 bar pressure. On substrates, previously scarified and washed, concrete repair mortars or fairing coats can be applied: our products of the family VHDRS® - Very High Durability Repair & Prevention Systems (as example **BS 38/39-2,5 to thickness**, **BS 38 FINISH as fairing coat**).

Packaging Jerry can of 20 Kg.
Drum of 220 Kg.

Consumption From 150 to 250 gr/m²

Storage Protect from freezing. Can be kept for 2 years in closed original packaging.

Characteristic technical data (typical values)

- Aspect: milky white liquid.
- PH: 8,9-9,4
- Temperature of flammability: not applicable (water based)

Safety precautions Do not apply when temperature is below +1 °C. Apply only on clean substrates, sound and dry, and without old paints, fat, oil or other substances which can jeopardise penetration.

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

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.

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