la scelta giusta
per grandi progetti.

SCHEDA TECNICA

MX 300
Pourable

CONFORME ALLA NORMA EUROPEA R4 MX 300 COLABILE MALTA DA RIPARAZIONE EN 1504-3

CE

IBICert l'ente di certificazione

POURABLE GROUT IN R4 CLASS

PRODUCT
Anti-shrinkage fibre-reinforced grout for the structural restoration of reinforced concrete. It can be used as fastening mortar.

CHARACTERISTICS
MX 300 Pourable is easy to prepare and with excellent workability, it has high resistance and smoothness, excellent adhesion to armor and concrete, weather resistance. At controlled shrinkage, it allows a good resistance to chemical agents and carbonation.

APPLICATION FIELD
Recovery, reinforcement and increase of reinforced concrete structures, concrete and masonries.
Grouting floor of machineries and metal structures, fixing drains, manhole covers, fences, road signs, guardrails, urban furniture items.

SUBSTRATES
Concrete surfaces, tight formwork.

CONSUMPTION
1,8 - 1,9 kg per liter of volume to fill.

PACKAGING
25 kg bags on pallets of 1500 kg.

STORAGE
It can be stored 12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS
The recovery of reinforced concrete structures and the floor fixing of metallic elements and machines must be done by applying a specific anti-shrinkage fluid mortar, such as MX 300 Pourable by Edilcol Italia, which have, after 28 days, a compressive strength > 70 N/sqmm, once mixed only with water.

PREPARATION

- Remove the degraded and loose concrete until the substrate is solid, resistant and rough.
- Clean the concrete and reinforcing rods until they are free of dust, rust, oils, greases, efflorescences, paint, etc, by sand-blasting.
- Fill the formworks with clean water and saturate the substrate with water.
- Empty and completely remove the not absorbed water, then treat any reinforcing rods and the surrounding area with the passivating mortar KF 380.
- Mix, for about 5 minutes, a bag of MX 300 Pourable with approximately 3,5-4,0 liters of water, either manually or with a mixer at a low number of turns, until obtaining a homogeneous and plastic mixture.

APPLICATION

- Pour or pump the product and mix briefly, from time to time, the remaining product.
- Remove the formworks no earlier than 48 hours, taking care to protect the exposed surfaces, in order to avoid a too quickly water evaporating and causing the formation of surface cracks, moistening the treated surfaces for at least 7 days.

RECOMMENDATIONS

Make sure that substrates is wet, clean, rough and tough, free from dust, rust, oil, grease and without degraded and loose components.
Do not add other products or water to the mixture of the MX 300 Pourable once the mix has begun to set. . Do not apply on bituminous substrates.
Avoid outdoor application in very hot or windy days, on ice substrates, during the thaw or with risk of frost for the 24 hours following the application and at temperatures lower than +5 °C or higher than +35 °C.
For applications in thicknesses greater than 5 cm mix MX 300 Pourable with a 40% of gravel.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory , in a controlled environment, so they may be greatly modified by the conditions of installation.

DATI TECNICI

Rev. 03 - 02/2016

Appearance:	grey powder	
Composition:	special cements, selected aggregates, synthetic fibers, resins, additives	
Particle size:	≤ 3,0 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 15 %	
Density of fresh mortar:	≈ 2000 Kg/m^3	(EN 1015-6)
Density of hardened mortar:	≈ 1800 Kg/m^3	(EN 1015-10)
Pot life (20°C):	< 1 hour	
Minimum feasible thickness:	> 1,0 cm	
Maximum thickness achieved without gravel:	≈ 5 cm	
Chloride ions content:	≤ 0,05%	(EN 1015-17)
Compressive strength (28 days):	> 70 N/sqmm (≥ 45,0 - Classe R4)	(EN 12190)
Flexural strength (28 days):	> 9 N/sqmm	(EN 1015-11)
Bonding strength to concrete (28 days):	> 2 N/sqmm	(EN 1542)
Elastic module in compression:	≥ 20 GPa	(EN 13412)
Thermal compatibility after freeze-thaw cycles:	≥ 2 N/sqmm	(EN 13687-1)
Capillary absorption:	≤ 0,3 Kgm^{-2}h$^{-0,5}$	(EN 13057)
Resistance to fire:	Class A1	
Contribution of smoking:	none	
Hazard classification:	none	(EC 99/45)

GIULIANOGRAPHIC.IT

edilcol ITALIA
Edilcol Italia srl - Ctr. Piana - Zona Industriale - 86019 Vinchiaturo (CB) - Italy
Tel. +39 0874/340039 - 340007 - Fax +39 0874/340023 - info@edilcol.com - **www.edilcol.com**