HORMIFLUIS, FLUID MICRO-CONCRETE WITHOUT RETRACTION



Description

Micro-concrete without retraction, very fluid, with particle-size below 2 centimetres that offers high mechanical resistances when it becomes harden. Useful as a final coat for the machine fitting, in reinforcement of structures and pavements, filling of imperfections, etc. It must be amassed with water. Grey cement colour.

Aplication

It is used for filling by pouring under support plates, filling of machine supports, bridge bearings and cranes, anchoring of metallic elements such as metallic supports, bolts,poles. Anchorings of concrete poles, pillars on prefabricated construction, filling of cracks, cavities, etc. The application thickness must be from 10 to 30 cm.

Surface preparation

The surface must be cleaned, free of greases, oils, dust, etc, compact, uniform and slightly dampened. The metallic elements must be free of oxide. The cleaning of the surface must be done by mechanical means.

Modes of application

HORMIFLUIS must be mixed with water in the proportion of 3,5litres per 25 kg sack.
-The mixture must be done manually or with low revolution electric mixer (300-500 rpm).
-HORMIFLUIS is placed by pouring inmediatly after of the mixing in order to benefit its self-leveling

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properties and soft expansive effect as well.
-The support must be dampened (no waterlogged) in order to improve the adherence in the cases which Epoxi bonding bridge is not used.
-The fillings under plates must have a hole that allows eliminate the inside air.
Avoid applying the product when it is freeze, low temperatures, snow, etc.
-In all cases of application is very important that the filling curing must be done based on HORMIFLUIS. To this end is suitable to irrigate the surface once the material hardens and keep it wet at least 72 hours.
-It should be considered that the material requires a mold to lodge in.

Clean up

With plenty of water.

Data sheet

Powder Density1,350 ± 0,050 g/cc.

Bulk Density2,100 ± 0,050 g/cc.

Curing Density1,950 ± 0,050 g/cc.

Water Absorption14 ± 1%

Capillarity< 1,5% at 60 minutes

Water Retention> 97%

Adhesion> 1 N/mm2

Compressive Strength> 650 kg/cm2

Flexural Strength> 80 kg/cm2

Color(s)grey cement

Working temperaturefrom 5 to 30 ºC

Volumetric expansionzzz

Volumetric expansionzzz

Volumetric expansionzzz

Performance

20kg/sqm per 1cm of thickness

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Storage

2 years in their original packages, tightly closed, avoiding the exposition to extrem temperatures, keeping it away from the weather and in cool and open-air places.

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