

MORCEM® DRY SF PLUS



DESCRIPTION

Impermeable mortar of two-components additives for the execution of impermeable coatings.

COMPOSITION

Product based on gray cement of high resistance, selected arid, special additives and resins.

FEATURES AND APPLICATIONS

- Impermeable exteriors and interiors of structures of concrete, mortar, concrete block exposed to positive pressure, such as deposits, ponds, tanks, swimming pools, sources...
- Protection of surfaces exposed to the action of freeze and meltwater: cantilevers, balconies, cornices, ornamental elements...
- Recovered with ceramic pieces with PEGOLAND® FLEX.
- Paintable with elastomer paint or acrylic mortars: range MORCEMCRIL.
- Resistant to freeze-thaw cycles.
- Resistant to carbonation.
- Excellent adhesion.
- Stable supports.
- Mortar of semiflexible behavior in comparison to a traditional mortar.
- Application in interiors and exteriors.
- Water-proof.
- Permeable to water vapor.
- Resistant
- Easy mixing and application.
- MORCEM® DRY SF PLUS is in conformity with the requirements established in the Royal Decree 140/2003, whereby there are established the sanitary criteria of the quality of the water of human consumption.

SUBSTRATES

- Concretes, prefabricated blocks of smooth concrete and fillings rich in cement. The supports must be resistant, stable, healthy and clean, exempt from powder, remains of gratty, organic products, etc.
- In case of heat, wind or on very absorbent supports, we should dampen the support and expect to the disappearance of the water dusting.
- Supports that are not subject to large movements.
- Damaged concrete and cracks must be repaired previously with MORCEMREST® RF 15 or MORCEMREST® RF 35.

INSTRUCTIONS FOR USE

- Mix mechanically component A powder with 3/4 parts of component B liquid
- Then add the remaining liquid component and then mix until the dough become homogeneous.

Application:

- Moisten the surface without leaving excess water. MORCEM® DRY SF PLUS is applied in two coats of thickness 1 mm each one, with brush, roll of short hair or by projection.
- Apply a first coat in one direction and let it harden one hour (at 20 ° C). After this time apply a second coat

RESTORATION LINE

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CAUTIONS AND RECOMMENDATIONS

- in the opposite direction.
- At critical points it is recommended to arm the coating with MESH DRYPOOL or geotextile PU (100 GR) on the second coat. Immediately after placing an additional coat of MORCEM® DRY SF PLUS on this mesh.
 - The finished end can be realized smoothing with a trowel, or with a sponge trowel, according recommendations to the wished texture.
 - MORCEM® DRY SF PLUS applies as uniform as possible to avoid excess material causing cracks in it.
 - Wait at least 4 days before filling with water.
 - Wait at least 7 days before recovering it with ceramic.
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- Do not apply below 5 ° C or above 30 ° C.
 - Preferably do not apply with risk of frost, rain, strong winds and direct sunlight; or protect it.
 - To ensure the impermeability, the minimum thickness must be 2 mm.
 - At critical points of the impermeable element , it is recommended to arm the coating between the two coats with a strip of squared thin mesh, MESH DRYPOOL or GEOTEXTILE PU (100 gr)
 - It must place as carefully as possible, avoiding bags or folds in the armed one. The unions of the armed one will be realized for overlap with a minimal width of 5 cm.
 - The union between wall-wall, wall-floor, wall-cell recommended the application in the form of half-round 5 x 5 cm MORCEMREST RF 15 or MORCEMREST RF 35.
 - Consult the Technical Department for any application not specified in this datasheet.
 - For all information regarding to the safety in the handling, transport, storage and use of the product with the version updated of the Safety sheet of the product.

PACKAGING

20 powder + 6 latex

Storage up to 1 year in original container closed, sheltered from the weather and humidity.

TECHNICAL DATA

(Statistical results in standard conditions)

Appearance component A	grey powder
Appearance component B	White liquid
Applicable thickness	2-3 mm
Adhesion (Flexible system without traffic)	> 0.8
Product density kneaded	2±0.02 g/cc
Resistance to positive pressure with 1 coat of 2mm	1.5 atm
Resistance to negative pressure with 1 coat of 2mm	1 atm
Resistance to the flexion 28-days	> 6
Resistance to the compression 28 days	> 15
Approximate performance	2 kg/m ² per mm. of thickness
Capillary absorption	< 0,1 kg/m ² x0.5 h
Module of elasticity (E)	6,800 N/mm ²
Life time of mixture	35-45 minutes

(We must apply at least two coats, and maby it would be necessary to lay the three coats in areas of) extremely strong leaks).


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CE MARK

Resistance to the propagation of cracks at 23 ° Elongation (mm)		
Unassembled	GEOTEXTIL PU	MESH DRYPOOL
0,83	2,20	1,27

Resistance to the propagation of cracks at-5 ° Elongation (mm)		
Unassembled	GEOTEXTIL PU	MESH DRYPOOL
0,72	2,04	0,80

	
GRUPO PUMA SL Avd. Agrupación Córdoba, Núm.17 14014 (Córdoba) 15 Nº: 230042	
EN-1504-2 MORCEMDRY SF PLUS	
Coating for surface protection, flexible two-component mortar for the Waterproofing of concrete with a minimum thickness of 2 mm	
Permeability to the CO2	Sd>50
water vapor permeability	Class 1
Capillary absorption and water permeability	≤ 0.1 kg.m ² .h ^{0.5}
Thermal compatibility	conforme
Tensile adhesive strength test	1.5N/mm ²

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Cement based mortar prepared with aggregates that are supplied close to the production center, which reduces the greenhouse gas emissions that would otherwise arise from their transport. Manufactured in production centers with an Environmental management certified system following ISO 14001 regulation, offering a firm promise of sustainability and respect for the environment.

Cement based mortar with type III ecological label (the most strict) Environmental Product Declaration verified externally by AENOR.

NOTE

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions

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carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.