

OSM.0084

OSMOCEM FLEX

Plasto-elastic waterproofing cement for terraces and masonry

Customs Code

3824 5090

Packaging

- Bag 24 kg [A]
- Plastic can 8 kg [B]
- Kit: 1 Bag 24 kg [A] + 1 Plastic can 8 kg [B]
- Pallet: 50 x (Bag 24 kg [A])
- Pallet: 50 x (Plastic can 8 kg [B])

Application

- Plastering machine
- Brush
- Pump
- Paint roller
- Spatula
- Scrubbing brush



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Family
Osmocem

Product Lines

- Aqua
- Building

Components
Two-components

Type
Osmotic two-components cement compounds

Functional Categories

- **Osmotic waterproofing**
- **Horizontal cement waterproofing of terraces and balconies**

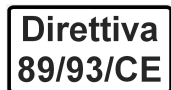
Appearance
Powder + Liquid

Certifications and legislations



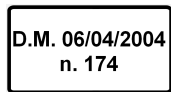
EN 998-1

Specification for Mortar for Masonry - General purpose rendering/plastering mortar (GP)



Direttiva 89/93/CE

Suitability to contact with drinking water (Quality of water intended for human consumption)



D.M. 06/04/2004, n. 174

Regolamento concernente i materiali e gli oggetti che possono essere utilizzati negli impianti fissi di captazione, trattamento, adduzione e distribuzione delle acque destinate al consumo umano.

General description

Two-component waterproofing cement, in aqueous dispersion, deformable, plasto-elastic. Particularly indicated for waterproofing terraces and balconies before the installation of tile or brick flooring.

General features

OSMOCEM FLEX is certified for compatibility with contact and containment of drinking water and food substances (certificate n. 04/2010 of the Laboratorio Analysis Service di Settimo di Pescantina - VR).

Two-component professional product. Proportioning of component A + component B specially designed to give the installer certainty of the result and guarantee of impeccable work: the tank of component B (8 kg) contains slightly more compared to the quantity necessary for mixing the bag (24 kg), allowing the installer, before laying the product, to withdraw from the tank up to 1 lt of the special resin of component B, dilute with 1 lt of water and use this aqueous emulsion to prime the application support; in this way at least three extraordinarily effective operations are performed with a simple and rapid priming: a) expulsion of the air from the superficial porosity fillers (with drastic reduction of the well-known blisters that occur on low thickness elastic products); b) reduction of the support absorption (to guarantee a suitable setting of the waterproof finish); c) increase in adhesion thanks to the deep penetration of the polymeric component.

Fields of application

Moisture-proofing concrete containment works (tubs, swimming pools, pipes, ducts, areas containing food, etc.). Moisture-proofing balconies, terraces, bathrooms, showers, etc., prior to laying successive plasters and screeds, ceramic coatings provided they are sufficiently porous and absorbent and free from any waterproofing and / or water-repellent surface treatment, whether chemical (siloxanes, epoxies, polyurethanes, etc.) or natural (wax-up). Waterproofing coating of earth-retaining masonry, micro-cracked plaster. Deformable finishing coats in general.

Available colours

- Gray

Basic features



Maximum diameter of aggregate:
0.4 mm

A:B

Mixing ratio:
3:1 _



Pot-life:
60 min



Shelf-life:
12 months



Suitable for contact with drinking water



Temperature of use:
+8 / +30 °C

Technical specifications

Bonding force (UNI EN 1015-12): 1.50 N/mm²

Bridging capacity on wide cracks: 0.5-1.0 mm

Capillary absorption (UNI EN 13057): 0.06 kg•h^{0.5}/m²

Density (UNI EN 1015-6): 1800 kg/m³

Longitudinal elongation at break (DIN 53504): 17.2 %

Mixing ratio of the components A:B: 3:1 _

Permeability to water vapor (UNI EN 1015-19): 240 μ

Tools cleansing

- Water

Applicable on

- Concrete
- Tiles
- Floor screed

Substrate preparation

Application surfaces should be clean and free of dust, soiling, crumbling and non-adhering parts, etc., water repellent treatments in general, etc. conveniently saturated with water until they reach the condition "saturated with dry surface".

Any cracks from plastic or hygrometric shrinkage present should be preliminarily treated with appropriate products and techniques. In the case of extended coating surfaces you must provide appropriately placed "chimney flues" for venting steam.

Instructions for use

OSMOCEM FLEX comes in two predosed components that must be thoroughly mixed, with mixers with a low number of revolutions (maximum. 300 Revs/minute) until a homogeneous lump-free mixture is obtained. The addition of other ingredients should be absolutely avoided. The tank of component B (8 kg) contains slightly more compared to the quantity necessary for mixing the bag (24 kg), allowing the installer, before laying the product, to withdraw from the tank up to 1 lt of the special resin of component B, dilute with 1 lt of water and use this aqueous emulsion to prime the application support (see also the ADDITIONAL INFORMATION section). In case of exceptionally arid climate, it is possible to make moderate consistency corrections, where necessary, adding water up to a maximum of 8%.

When waterproofing terraces and balconies, two coats, each about 1.5 mm thick (2.2 kg/m² per coat), of OSMOCEM FLEX should be applied, each coat should be applied when the previous one looks stable (at least 4 hours later at 20°C). It is recommended to interpose the fibreglass alkaline-resistant mesh ARMAGLASS 160 in the thickness of OSMOCEM FLEX, between the first and second coat. The self-adhesive butyl band PROBAND should also be placed between the floor screeds and the elevation walls. Finally, it is advisable to place the special elastic band ELASTOTEX 120 or ELASTOTEX 120 CLOTH, at any expansion joints, securing it with the same OSMOCEM FLEX.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

Do not use OSMOCEM FLEX on strongly degraded or non-adhering supports, since it would reduce the waterproofing quality.

Do not apply on little or non-porous substrates or previously coated with water-repellent treatments in general, if not after appropriate roughening by bush hammers, sanders and equipment suitable for preparatory treatments of substrates, or after appropriate treatment with suitable polymeric primers.

OSMOCEM FLEX is produced/distributed by



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