



OSM.0084

## OSMOCEM FLEX

Plasto-elastic waterproofing cement for terraces and masonry

### Customs Code

3816 0000

### Dosage

1.5 - 6 kg /m<sup>2</sup>  
(Recommended: 4.5 kg /m<sup>2</sup>)

### 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

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)

## 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).

## 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/mm<sup>2</sup>

*Bridging capacity on wide cracks:* 0.5-1.0 mm

*Capillary absorption (UNI EN 13057):* 0.06 kg•h<sup>0.5</sup>/m<sup>2</sup>

*Density (UNI EN 1015-6):* 1800 kg/m<sup>3</sup>

*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



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## 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. While the addition of other ingredients should be absolutely avoided, it is possible to moderately correct the consistency, as required, by adding water up to a maximum of 8%. Water must be added when the mixture is ready, continue to mix until the optimal homogeneity is obtained.

When waterproofing terraces and balconies, two coats, each about 1.5 mm thick (2.2 kg/m<sup>2</sup> 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.



## 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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