



OSM.0081

OSMOCEM AC

Reinforced fibre anti-carbonation cement mortar for small repairs

Customs Code

3824 5090

Packaging

- Bag 25 kg

Application

- Brick trowel
- Spatula

Family
Osmocem

Product Lines
• Aqua

Components
Single-component

Type
Osmotic one-component cement compounds

Functional Categories
• **Osmotic waterproofing**
• **Repair and restoration of concrete structures with thixotropic mortars**
• **Realkalinization and renovation of existing cement conglomerates**

Appearance
Powder

Certifications and legislations



EN 998-1

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

General description

Rheoplastic, thixotropic, structural, composite, reinforced fibre cement mortar, based on special cements, alkaline-resistant fibres, agents anti-carbonation, reactive fillers, selected siliceous aggregates. After hardening, it provides high-performance anti-carbonation protection, mechanical strength, watertightness, chemical-physical stability. Specific for filling cavities and embrasures produced by removing the blade caisson spacer, in concrete components in civil engineering, industrial and hydraulic works.

General features

OSMOCEM AC is formulated with special agents capable of inhibiting or drastically reducing the motility carbon dioxide solutions in concrete, consequently ensuring very high anti-carbonation protection.











Dosage

Approximately 19 kg/m² of OSMOCEM AC for every centimetre of thickness to be implemented (approximately 1900 kg per cubic metre).

Fields of application

Filling cavities and embrasures of blade caisson spacers, in concrete components in civil engineering, industrial and hydraulic works 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).

Basic features

 Adhesion to the substrate: >2.5 N/mm ²	 Max. recommended thickness: 50 mm
 Maximum diameter of aggregate: 1.5 mm	 Min. recommended thickness: 0.8 mm
 Mix with water: 14-16 %	 Nonflammable
 Pot-life: 40-45 min	 Shelf-life: 12 months
 Temperature of use: +5 / +35 °C	 Available colours Gray

IF YOU WANT TO SOLVE IT


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Technical specifications

Adhesion to substrate (UNI EN 1542): > 2.5 N/mm²

Compressive strength (UNI EN 1015-11): > 45 N/mm²

Darcy impermeability: 10⁻¹⁰ cm/s

Flexural strength (UNI EN 1015-11): > 5 N/mm²

Static elastic modulus (EN 13412): 20000 N/mm²

Thermal compatibility (EN 1745): < 1.2 W/m*K

Tools cleansing

- Water

Applicable on

- Concrete
- Prefabricated concrete

Substrate preparation

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

Instructions for use

Pour about 2/3 of the mixing water into the mixer, add OSMOCEM AC and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 14%-16% by weight.

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. Store the product at a temperature between +5°C and +35°C.



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Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

Do not apply with direct exposure to sunlight and/or at temperatures below +5°C. Cure the protection and moist hardening of exposed surfaces.

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 AC is produced/distributed by



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