

Osmocem Quick

Cement compound for immediately stopping the infiltration of water



Cement compound for instantaneously stopping water leaks in underground rooms or above-ground structures, even in the presence of negative thrust pressure. Based on rapid hardening and high resistance hydraulic binders of ultrafine quartz aggregates, shrinkage compensators, micronized hydrophobic products and specific additives for the regulation of rheology. It does not contain chlorides. Mixed with water it gives rise to a mixture of thixotropic plastic consistency, easily applied even vertically, which hardens in 30" - 60", adhering perfectly to the roughened support.

CUSTOMS CODE: 3824 5090

COMPONENTS: Single-component

APPEARANCE: Powder

AVAILABLE COLORS: Gray

PACKAGING AND DIMENSIONS: Pail 5 kg - Bag 25 kg - Pallet: 150 x (Pail 5 kg) - Pallet: 50 x (Bag 25 kg)

FIELDS OF APPLICATION

Immediate stop of water infiltrations in building structures: basins, tanks, cellars, lift shafts, drains, underground masonry, etc. Examples of use: waterproof sealing of cracks and holes, waterproof repair before the addition of concrete, waterproofing systems made in combination with Flexseal 300 hydro-expansive sealant and waterproof mortars of the OSMOCEM line.

ALLOWED SUPPORTS

Concrete - Bricks - Mixed walls (bricks and stones) - Stone walls - Rock walls

PREPARATION OF SUPPORTS

Thoroughly clean the contact surfaces. In the case of cracks, discontinuities, cavities, etc. preliminarily prepare application sections countersinking towards the inside of the masonry, creating a "dovetail" shape (in order to facilitate the hydraulic sealing of the intervention). Remove any detached residual material from the prepared site, by means of pressure washing and jets of compressed air. Any interventions on temporarily dry surfaces require wetting of the support to saturation.

MODE OF USE

Mix with water, if possible at a temperature not less than 20°C, no more than 250-300 cc per kg of product. The product reacts immediately and it is very quick, therefore mix from time to time the quantities of product strictly necessary and immediately applicable. Apply the product on site by hand exclusively and immediately after mixing the product with water while wearing protective rubber gloves. Press the mixed product firmly into the slot or hole and hold this pressure until the setting is complete (approx. 120 - 180 seconds). In case of multiple leaks, start the application of Osmocem Quick from the higher water leaks. Where necessary, in case of pressure infiltrations, proceed with the installation of drainage with a plastic tube, with small diameter, initially sealing sections adjacent to the drainage and then, once you stop the infiltration, sealing the drainage itself.



APPLICATION METHODS

Apply by hand - Spatula


TOOL CLEANING


Water


KEY FEATURES

↔ Max. recommended thickness: 15 cm


 Nonflammable


 Quick setting product


 Temperature of use: +5 / +35 °C

 Use wearing protective gloves

↔ Min. recommended thickness: 3 cm

 Pot-life: 60 s

 Shelf-life: 6 months

 Use wearing protective glasses

TECHNICAL SPECIFICATIONS

UNI EN 12190

Compressive strength after 1 hour > **5 MPa**

UNI EN 12190

Compressive strength after 28 days > **25 MPa**

UNI EN 196/1

Flexural strength at 1 day > **3 MPa**

a 20°C

Complete hardening at 20°C **180 s**

pH **12.8**

UNI EN 12190

Compressive strength after 1 day > **11 MPa**

UNI EN 196/1

Flexural strength after 1 hour > **2 MPa**

UNI EN 196/1

Flexural strength after 28 days > **4 MPa**

20° C

Setting time **120 - 180 s**

Free withdrawal in air at 28 days < **1 mm/m**

CONSUMPTION

Approximately 17 kg/m² of Osmocem Quick for every centimetre of thickness to be implemented (approximately 1700 kg per cubic metre).

STORAGE AND CONSERVATION

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.



PHOTO GALLERY



ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

Osmocem Quick contains cement which, in contact with the sweat of the body, causes an irritant alkaline reaction and allergic reactions in predisposed subjects: wear wraparound protective gloves in thick rubber and use the usual precautions for handling of cement-based products; in case of contact wash with plenty of water. Do not remix the product in the hardening phase and do not float it when it has just been laid.

It is always essential to carry out preliminary tests to check the appropriateness of the product, depending on specific requirements. 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.

