

# Osmokoll Bic

## Osmotic two-component type weatherstrip adhesive cement



A two-component, certified cementitious adhesive based on hydraulic binders free from harmful additions, with modifying and flexibilising resins, selected siliceous and calcareous sands, reactive fillers with high pozzolanic activity and cellulosic thickeners, perfect for the preparation of adhesive mixtures that are trowelable with high deformation and impermeability capacity. Ideal for bonding coatings of any kind, even with low absorption, on horizontal and vertical surfaces, both internal or external, including with low porosity (for example, coatings on indoor swimming pools).

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Two-components

**APPEARANCE:** Powder + Liquid

**AVAILABLE COLORS:** Gray

**PACKAGING AND DIMENSIONS:** Bag 25 kg [A] - Plastic can 6 kg [B] - Kit: 1 Bag 25 kg [A] + 1 Plastic can 6 kg [B]

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Bonding tiles, waterproofing and anti-humidity coatings, structures and masonry exposed or underground 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). Bonding small vitreous tiles for swimming pools. Bonding tiles on Osmocem Flex or Osmocem D type osmotic coatings on terraces and balconies.

## ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Tiles - Floor screed - Porous stone

## PREPARATION OF SUPPORTS

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".

## MODE OF USE

Mix the powder component (component A) with the hydrating solution (component B) with a drill at a low number of revolutions, pouring the powder progressively in the liquid, continue mixing until a homogeneous lump-free mixture is obtained. After mixing is completed wait a few minutes and stir again before proceeding with the application.

## APPLICATION METHODS

Notched finishing trowel

## TOOL CLEANING

Water

## KEY FEATURES

↔ Max. recommended thickness: 10 mm

→← Min. recommended thickness: 2 mm

⌚ Pot-life: 50 min

🌡 Temperature of use: +5 / +35 °C

⊘ MAX Maximum diameter of aggregate: 0.5 mm

🔥 Nonflammable

🕒 Shelf-life: 12 months

☀ UV-resistant

## TECHNICAL SPECIFICATIONS

UNI EN 1015-11

Compressive strength **25 N/mm<sup>2</sup>**

Strain at break, characteristic value **2.6 mm**

a 20°C

Complete hardening at 20°C **80 - 90 min**

EN 12004

Durability - Tensile adhesion after thermal aging **2.5 N/mm<sup>2</sup>**

a 30'

Open time **≥ 0.5 MPa**

Commissioning **3-5 day**

UNI EN 1542

Bonding force **2.8 N/mm<sup>2</sup>**

EN 12004

**2.3 N/mm<sup>2</sup>**

EN 12004

Reaction to fire **CLASS F**

**0.3 mm**

UNI EN 196/1

Flexural strength **7 N/mm<sup>2</sup>**

UNI EN 1015-6

Density **1750 g/l**

Floor joint execution **20 h**

UNI EN 1015-18

Capillary absorption **< 0.3 kg•h<sup>0.5</sup>/m<sup>2</sup>**

Walkability **20 h**

EN 12004

Durability - Tensile adhesion after immersion in water **1.3 N/mm<sup>2</sup>**

Tile registration time **40 min**

EN 12004

Durability - Tensile adhesion after freeze-thaw cycles **1.5 N/mm<sup>2</sup>**

Execution of wall joints **4-8 h**

A:B

Mixing ratio of the components **4.1:1**

## CONSUMPTION

Use from 5 to 6 kg/m<sup>2</sup> of Osmokoll depending on the type of support and the type of material to be bonded.

## STORAGE AND CONSERVATION

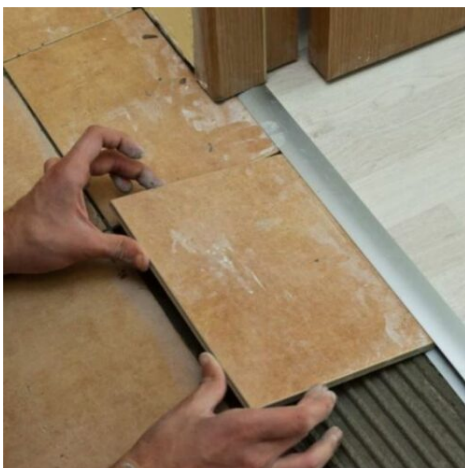
Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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## PHOTO GALLERY



## ADDITIONAL CONTENT



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## WARNINGS AND PRECAUTIONS

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

Do not apply in case of direct exposure to sunlight and cure the protection and moist hardening.

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. 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.

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