

Product information  
EPOMIT-200®  
Edition 01/01/2016

## PRODUCT TECHNICAL DATA SHEET



# EPOMIT-200®: Epoxy resin, acid resistant mortar for fixing and joining ceramic stoneware tiles.

### 1. PRODUCT DESCRIPTION

EPOMIT-200® is a two component mortar with an epoxy resin base that is used for the rigid installation of concrete elements, steel, wood, ceramics, sealing of joints and repairing and reinforcing structures. Because of its chemical, thermal and mechanical resistance, it is especially indicated for all types of coverings and floorings in the chemical industry.

EPOMIT-200®, in addition to its great chemical, thermal and mechanical resistance, it is weather proof and possesses a great adherence capacity, which makes it especially indicated for fixing the ceramic directly to the base, or after a URAPOX® primer has been installed depending on the condition of the surface to be covered. Thixo additive can be added to the EPOMIT-200® mortar for a safer and easier application on vertical surfaces and ceilings.

EPOMIT-200® has been classified by APPLUS+LGAI as RG, in accordance with standard UNE-EN 13888:2003, and as R2, in accordance with standard UNE-EN 12004:2008.

### 2. PRESENTATION

EPOMIT-200® is always supplied freshly prepared to prevent as much as possible, the sedimentation of its compounds, making it easier to stir it until it is completely homogenised, in 20 kg pre-dosed sets comprised of 2 components: 19.600 Kg of component A + 0.400 Kg of component B. It is supplied in natural, grey and black colours. Consult us regarding other colours.

### 3. CONDITION OF THE SUPPORT

The concrete surfaces must be completely dry, free of grouts, dust or loose particles. Oil or grease spots will be removed and if required, the surface will be sand or shot blasted.

Metal surfaces shall be free of rust, mild scale and grease. For greater safety, and essential in most cases, two component URAPOX® primer will be applied as an anchoring bridge with great adherence capacity, especially indicated for smooth and non-porous surfaces.

In ceramic stoneware flooring, we must ensure that the interior part of the joints are clean, dry and free of poorly adhered particles as well as that the mortar used to fix the tiles are completely hardened and dry.

#### 4. USAGE INSTRUCTIONS

Using a low speed mixer, mix the contents of component A in its own container and when the mixture is completely homogenized, add all the contents of the component B container and continue mixing until they are completely mixed together.

Once both components are well mixed, apply the putty using a 10 or 12 cm wide metal spatula, pressing towards the inside of the joints to ensure they are completely filled. After a few minutes have elapsed, the first cleaning is carried out using a "Scotch-Brite" type of pad dampened in Toluene and rub in a circular motion being careful to not remove the putty from the joints until the excess resin is removed and then level the resin mortar on the joints with the edge of the tile. Subsequently, a second cleaning will be carried out using a "Spontex" type cloth that is lightly dampened in clean Toluene to wipe the tiles and their joints until the surface is clean and smooth.

It is very important that the cloths and tools are washed frequently during the cleaning. Once hardened, the surface can only be cleaned using mechanical methods.

#### 5. TECHNICAL DATA AND CONDITIONS FOR APPLICATION

Application temperature	From +8 to + 30° C (optimum at 20° C)
Temperature of the support	From +8 to + 30° C
Relative humidity	< 80 %
Workability time at 20° C	30/45 minutes
May be walked on at 20° after	24 hours have elapsed
Completely hardened at 20° C	7 days
Minimum hardening temp.	8° C (very slow hardening process)
Thermal resistance	+ 100° C
Resistance to constant humidity	+ 70° C
Adherence to concrete	Breaking of the concrete
Density at 20° C approx.	1.9 g/cm <sup>3</sup>
Conservation	It is not recommended that it be stored for longer than 3 months, always in closed containers, in a dry location at room temperature since it may be very difficult to mix component A. If the contents of comp. A has hardened, expose the container with its contents to a heat source or dip the container in warm water until its texture returns to normal.
Approximate consumption for sealing joints between tiles	2,3/2,7 Kg./m <sup>2</sup> for 5/6x20 mm joints with 240x115x20 mm tile
Approximate consumption for fixing tile	9/10 Kg/m <sup>2</sup> applied with a notched trowel of 6/7 mm with 240x115x20 mm tile

## 6. CHEMICAL RESISTANCE

Check in each case, but serve as guidance the following information.

Acids and alkalis	Excellent
Solvents	Excellent
Industrial detergents	Excellent
Fats and oils	Excellent
Petrol	Excellent

## 7. SAFETY AND HYGIENE INSTRUCTIONS

In order to get information and safely use EPOMIT-200®, you can consult the most recent revision of the product Safety Data Sheet in accordance with regulation REACH (CE) N° 1907/2006 and United Nations organization agreement ADR 2015, on our website [www.proaplitec.com](http://www.proaplitec.com) or send an e-mail request to [info@proaplitec.com](mailto:info@proaplitec.com).

## 8. TESTS AND CERTIFICATES

EPOMIT-200® has been classified by APPLUS+LGAI as RG, as per a test conducted using standard UNE-EN 13888:2003 for CERAMIC TILE GROUT MATERIAL with report no. 09/996-3013, and as R2, as per the test carried out using standard UNE-EN 12004:2008 for CERAMIC TILE ADHESIVES with report no. 09/996-3014. Said tests and certificates can be accessed from our Website [www.proaplitec.com](http://www.proaplitec.com) or they may be requested by sending an e-mail to [info@proaplitec.com](mailto:info@proaplitec.com).

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Note: The indications and technical information that appears in this technical sheet are based on our current experience and knowledge and the most common uses and applications for the product; therefore, these shall be used as a guideline since they may be subject to change depending on the actual conditions at the worksite. Our guarantee only covers defects relative to the manufacturing quality of the product, as long as the product is stored, handled and used as intended; and any other claim is excluded. The components that comprise the described product are subject to changes and modifications without prior warning as long as these do not modify the characteristics described in this sheet. For any additional information that is required, we are available to personally advise you regarding your specific case.

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