

CP50 CAM

Mineral adhesive for ceramic tiles and mosaics with long open workability.

Certified according to CE EN 12004 C1E standards.

CAM certified according to UNI ISO 14021/SGS.



Product identification

CP50 CAM is a latest generation mineral adhesive, ideal for optimal installation of ceramic tiles and mosaics.

The excellent wettability and open time of the product make the adhesive highly workable in leveling and laying the tile, as well as high adhesion and stability when the product has hardened.

Certified according to CE EN 12004 C1E standards.

CP50 CAM is formulated with ecological and recycled materials for the purpose of reducing CO 2 emissions, as well as being CAM certified according to UNI ISO 14021 released by the international body SGS Italia.

Pluses of the product

- ❖ Excellent wettability during installation operations.
- ❖ Excellent spreadability.
- ❖ Excellent adhesion to supports.
- ❖ Long open time for excellent levelling.
- ❖ Available in gray and white.

Main applications

<u>Funds</u>	<u>Jobs</u>	<u>Materials</u>
Lime and cement / gypsum plasters*	Floors and walls	Ceramic tiles
Cement screeds and mortars	Interior / exterior	Mosaics in general
Anhydrite screeds	Industrial	
	Civil	
	Commercial	

* plaster base – prime beforehand with EDMOLATEX G or EDMOLATEX S

Do not use

- On screeds, plasters, concretes that have not yet cured and/or are still affected by significant hydraulic shrinkage.
- On organic waterproofing products.
- On wood, metal, plastic, resilient materials, surfaces subject to vibrations.
- On surfaces subject to vibrations or settlements.
- On plasterboard, old floors or heated floors.

Preparation of the support

In summary to the UNI 11493-1 standard, the supports must comply with the following:

- ❖ In summary, the installation support must be free from humidity, efflorescence, salt, dust, grease, loose parts and any situation that would compromise good adhesion.
- ❖ Both the vertical and horizontal support must be optimally seasoned, well cohesive and well leveled in order to avoid possible variations in high thickness during the installation of the adhesive.
- ❖ In the case of cementitious and/or highly absorbent substrates, prime with the appropriate EDMOLATEX G or EDMOLATEX S.
- ❖ In sultry seasons it is advisable to moisten the support before installing.
- ❖ In the case of supports exposed to continuous solar radiation (especially in the summer months), it is advisable to shade the area and/or carry out the installation in the final hours of the day.
- ❖ In case of uncertainty about the stability of the support on screeds, it is advisable to apply a layer of AR GLASS 160 type mesh embedded in the same adhesive the day before.
- ❖ In case of large differences in level it is advisable to level the support using the special EDMEC self-levelling products with low and/or high thickness based on the type of disconnection.

Ways of use

- ❖ For excellent mixing and yield of the product, it is recommended to pour the quantity of clean, drinkable water into a bucket and/or special clean container, then pour the appropriate ratio of powdered product and mix the same with a special mixer and/or or drills with suitable whisks until the composite is free of lumps and totally mixed, making sure that the agitation is complete and free from residues on the bottom.
- ❖ Before using the product, it is a good idea to wait a good 1 minute before applying the adhesive in order to activate the appropriate additives.
- ❖ In order to guarantee perfect adhesion, it is always advisable to lay with the double spreading technique, i.e. spread a light coat to completely cover the tile, as well as the support with an American trowel (Extract from UNI 11493 standard).
- ❖ After applying the tile, apply adequate pounding and compression, in order to eliminate the possibility of uncovered areas.
- ❖ In order to ensure total spreading of the adhesive, it is advisable to check the lack of voids between the support/adhesive/tile on a sample basis (or at the start of processing).
- ❖ Always check that there are always adequate structural joints on the vertical or horizontal installation supports.
- ❖ Always respect adequate grouting of the tiles based on their dimensions, as well as ensuring the presence of adequate perimeter and vertical joints, in order to loosen tension and friction of the relative supports.
- ❖ If installing in particularly sunny areas or exposed to heat sources, it is always advisable to shade in order to avoid rapid drying.

Warnings and precautions for use

- ❖ Comply with current regulations and national provisions.
- ❖ Do not use the adhesive to fill differences in level and/or irregularities in the support >15mm.
- ❖ Protect from heavy rain for at least 24 hours.
- ❖ Temperature, ventilation, absorption of the support and installation material can vary the setting times of the adhesive and its workability.
- ❖ Depending on the type of tile, use a suitable spatula with narrow or wide teeth based on the size to be applied.
- ❖ For the sake of success and adhesion, always check that there are no empty areas of adhesive between the tile laying bed and the support.
- ❖ The water indicated on the package is indicative, it is possible to obtain mixtures with a more or less thixotropic consistency based on the application to be carried out (while still remaining within the ranges shown in the following table).
- ❖ For any further information, contact our EDMEC technical service.

❖ Product for professional use.

Cleaning

Cleaning of tools and any product residues from surfaces must be carried out with water on fresh adhesive. Once hardened, the adhesive can only be removed mechanically.

Technical data

<u>Description</u>	<u>Data (+23°C & 50% RH)</u>
<u>Apparent density</u>	1300 Kg/m ³
<u>Density of the dough</u>	1400 Kg/m ³
<u>Solid residue</u>	100%
<u>Product yield</u>	~ 1.25 Kg./m ² x mm. thick
<u>Dilution by mixture</u>	25.00% -27.00%
<u>pH</u>	13
<u>Duration of the dough</u>	~ 8h.
<u>Open time</u>	> 30 minutes
<u>Recording time</u>	~ 45 min.
<u>Execution of wall joints</u>	After 4/8h. second absorption
<u>Execution of floor joints</u>	After 24h.
<u>Walkability</u>	24h.
<u>Commissioning</u>	14 days.
<u>Installation temperature</u>	+5°C ÷ +35°C
<u>Initial membership (after 28 days)</u>	≥ 1.00 N/mm ²
<u>Adhesion after immersion in water</u>	≥ 0.50 N/mm ²
<u>Adhesion after heat action</u>	≥ 0.50 N/mm ²
<u>Adhesion after freeze-thaw cycles</u>	≥ 0.50 N/mm ²
<u>Resistance to alkalis*/oils/solvents</u>	Excellent (*poor for alcohols and acids)
<u>Operating temperature</u>	-30°C ÷ +90°C
<u>Color</u>	Grey
	White

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