

# CP350S1 CAM

**High-performance mineral deformable adhesive for every size and type of tile with zero vertical slip and long workability open time. Certified according to CE EN 12004 C2TE S1 standards. CAM certified according to UNI ISO 14021/SGS.**



## Product identification

CP350S1 is a latest generation high-performance mineral adhesive of the deformable type S1, ideal for all types of tiles and formats, even large ones.

The excellent wettability and open time of the product make the adhesive highly workable in leveling and installing tiles even on large dimensions.

The special formulation eliminates vertical slipping during installation as well as ensuring excellent spreadability of the product.

The mixed product creates a GEL effect, which makes the product highly workable in the application and application phases.

Certified according to CE EN 12004 C2TE S1 standards.

CP350S1 CAM is formulated with ecological and recycled materials for the purpose of reducing CO<sub>2</sub> emissions, as well as being CAM certified according to UNI ISO 14021 released by the international body SGS Italia.

## Main applications

<u>Funds</u>	<u>Jobs</u>	<u>Materials</u>
Lime and cement / gypsum plasters**	Floors and walls	Cooked*
Cement screeds and mortars	Overlay	Ceramic tiles
Anhydrite screeds	Facades	Klinker*
Concrete	Interior – exterior	Large formats
Cellular concrete	Terraces and balconies	Porcelain stoneware
Drywall	Saunas and wellness centers	Mosaics in general
Gypsum and anhydrite	Civil	Marble and natural stones*
Waterproofing*	Fountains and swimming pools	Insulating and sound-absorbing panels
Heating screeds	Industrial	Stone materials (provided they are stable and/or non-absorbent)
Fiber cement sheets	Commercial	* for the installation of these materials carry out a 24/48 hour verification test. first for correct adhesion and staining purposes. ** plaster base – prime beforehand with EDMOLATEX G or EDMOCRIL PLUS
Coat systems	Street furniture	
Insulating panels	Naval	
Overlay on existing floors		

### Do not use

On screeds, plasters, concrete not yet cured and/or still affected by hydraulic shrinkage and/or subject to thermal/structural expansion

On organic waterproofing products

On wood, metal, plastic, resilient materials, surfaces subject to vibrations

### Pluses of the product

- ❖ Excellent wettability during installation operations.
- ❖ Excellent spreadability.
- ❖ Long open time for excellent levelling.
- ❖ Good deformability according to EN 12004 S1.
- ❖ Excellent adhesion to supports.

### 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 EDMOCRIL PLUS.
- ❖ 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 installation over existing floors, in addition to checking the excellent stability of the support, smooth the surface in order to make it as grippy as possible, as well as degreasing it with any water/soda solutions.
- ❖ In case of uncertainty about the stability of the support, both overlaying and 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, especially in medium/large formats, where at least one side is  $\geq 60\text{cm}$ . and/or low thickness tiles, it is always advisable to lay with the double spreading technique, that is, spreading 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

- ❖ In the case of marble and natural stone applications, in normal cases it is advisable to use quick-setting or reactive type adhesives from the EDMEC CP VELOCE series, since in many cases being absorbent materials, they remain subject to staining by the mixing water, however depending on the morphology of the material and the geographical area of sampling, the materials remain remarkably stable even to improved open time adhesives such as the following. Given these morphological variations of the materials, it is advisable to carry out a preventive test on the actual material to be installed and/or in case of doubts contact our EDMEC technical service.
- ❖ 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/slab, 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).
- ❖ In order to guarantee zero slipping, stay within the minimum range of mixing water (especially in vertical installations and/or large formats).
- ❖ 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 &amp; 50% RH)</u>
<b><u>Apparent density</u></b>	1400 Kg./m <sup>3</sup>
<b><u>Density of the dough</u></b>	1550 Kg./m <sup>3</sup>
<b><u>Solid residue</u></b>	100%
<b><u>Product yield</u></b>	~ 1.20 Kg./m <sup>2</sup> x mm. thick
<b><u>Dilution by mixture</u></b>	26.50% ÷ 29.50%
<b><u>pH</u></b>	> 12
<b><u>Duration of the dough</u></b>	> 8h.
<b><u>Open time</u></b>	> 30 minutes
<b><u>Recording time</u></b>	~ 45 min.
<b><u>Execution of wall joints</u></b>	After 4/8h.
<b><u>Execution of floor joints</u></b>	After 24h.
<b><u>Pedestrianism</u></b>	24h.
<b><u>Commissioning</u></b>	14 days.
<b><u>Installation temperature</u></b>	+5°C ÷ +35°C
<b><u>Initial membership (after 28 days)</u></b>	2.60 N/mm <sup>2</sup>
<b><u>Adhesion after immersion in water</u></b>	1.10 N/mm <sup>2</sup>
<b><u>Adhesion after heat action</u></b>	2.50 N/mm <sup>2</sup>
<b><u>Adhesion after freeze-thaw cycles</u></b>	1.30 N/mm <sup>2</sup>
<b><u>Resistance to alkalis/oils*/solvents</u></b>	Excellent (*poor but for vegetable oils)
<b><u>Operating temperature</u></b>	-30°C ÷ +90°C
<b><u>Deformability (EN 12004)</u></b>	S1 – deformable (> 2.50mm. < 5mm.)
<b><u>Color</u></b>	Grey
	Ultra-white
<p><i>The information contained in this sheet is the result of knowledge and tests available at the date of publication. DM SRLS UNIPERSONALE does not assume any responsibility for damage to persons or property resulting from improper use of such information and reserves the right to modify the data without notice.</i></p>	

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