

CP350S1 VELOCE CAM

High-performance self-wetting mineral adhesive with quick setting and zero slip for all sizes and types of tiles.

It can also be used as a mortar for masonry and/or smoothing.

Certified according to CE EN 12004 C2TF S1 standards.

CAM certified according to UNI ISO 14021/SGS.



Product identification

CP350S1 VELOCE CAM is a latest generation high-performance mineral adhesive of the deformable S1 type, self-wetting, rapid setting and zero slip, ideal for all types of tiles.

CP350S1 VELOCE CAM is recommended above all for applications of marble and natural stone, since in many cases being absorbent materials, they remain subject to staining from the mixing water, therefore installation using CP VELOCE series adhesives is always recommended.

The excellent wettability ensured at 100% makes the adhesive highly workable, as well as creating a 3/20mm thick bed without any void.

Thanks to its rapid drying, it is perfect for applications where intense traffic or drying speed is required.

The special formulation makes the product spreadable excellently.

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 C2F standards.

CP350S1 VELOCE CAM is formulated with ecological and recycled materials for the purpose of reducing CO₂ emissions, as well as being lithium-free and CAM certified according to UNI ISO 14021 released by the international body SGS Italia.

Main applications

<u>Funds</u>	<u>Usage</u>	<u>Materials</u>
Lime and cement / gypsum plasters**	Floors and walls	Terracotta*
Cement screeds and mortars	Overlay	Ceramic tiles
Anhydrite screeds	Facades	Klinker*
Concrete	Interior – exterior	Porcelain stoneware
Cellular concrete	Terraces and balconies	Mosaics in general
Drywall	Saunas and wellness centers	Marble and natural stones*
Gypsum and anhydrite	Civil	Insulating and sound-absorbing panels
Waterproofing*	Fountains and swimming pools	Stone materials (<i>provided they are stable and/or non-absorbent</i>)
Heating screeds	Industrial / Commercial	* CP VELOCE series is highly recommended.
Fiber cement sheets	Street furniture	** plaster base – prime beforehand with EDMOLATEX G or EDMOCRIL PLUS
Coat systems	Naval	
Insulating panels	Adhesive/leveling compound	

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.
- ❖ Ideal in environments with strong traffic flow, such as shopping centres, stations, schools, hospitals, etc...
- ❖ Excellent workability and adhesion to supports.
- ❖ Quick drying.
- ❖ Good flexibility

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.

How to use (laying tiles)

- ❖ 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.

How to use (shaving)

- ❖ The product is ready for use and should simply be mixed with clean water (see table below).
- ❖ It is possible to mix the product with mixing drills at low speed or with plastering machines.
- ❖ Based on the degree of flatness of the support, spread one or more coats of RASA UNI with fracasso or American, after a few minutes and based on the application period it will be possible to work it with water and American or by sanding.
- ❖ In case of multi-coating, an adequate drying period is advisable between one coat and the other.

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.
- ❖ Temperature, ventilation, absorption of the support and installation material can vary the setting times of the adhesive and its workability.
- ❖ For the purposes of good performance 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 & 50% RH)</u>
<u>Apparent density</u>	Grey: 1200 Kg/m ³ White: 1400 Kg/m ³
<u>Density of the dough</u>	1500 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>	Grey: 21.00% ÷ 23.00% White: 21.00% ÷ 25.00%
<u>Consistency</u>	Semifluid
<u>pH</u>	> 11
<u>Duration of the dough</u>	Grey: ~45 minutes White: ~30 minutes
<u>Open time</u>	~ 20 minutes
<u>Execution of escapes</u>	After 3h.
<u>Walkability</u>	After 3h.
<u>Commissioning</u>	24 hours.
<u>Installation temperature</u>	+5°C ÷ +35°C
<u>Flexural strength (after 28 days)</u>	≥ 5.00 N/mm ²
<u>Compressive strength (after 28 days)</u>	≥ 14.00 N/mm ²
<u>Initial adhesion (after 28 days)</u>	2.80 N/mm ²
<u>Adhesion after immersion in water</u>	1.30 N/mm ²
<u>Adhesion after heat action</u>	2.0 N/mm ²
<u>Adhesion after freeze-thaw cycles</u>	1.20 N/mm ²
<u>Acid resistance</u>	mediocre
<u>Resistance to alkalis/oils*/solvents</u>	Great
<u>Operating temperature</u>	-30°C ÷ +90°C
<u>Color</u>	Grey
	White
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