

Cementitious Adhesive type C2TES2.

Description

ColCret Flex Premium is a high-performance cementitious adhesive, formulated based on cement, selected aggregates, organic additives and synthetic resins that improve workability, water retention, open time and mortar adhesion. Maximum deformability. Anti-sag. Allows the rectification of parts. Especially indicated for the installation of porcelain stoneware and natural stone. Special for facades and large-format ceramics. Indoor Environment Quality.

Pros

- Increased water resistance.
- Maximum resistance to thermal shocks.
- Maximum deformability.
- High water retention capacity.
- Greater mechanical performance.
- High open time, allows the rectification of parts.
- Greater finesse. High plasticity.
- High adhesions. Greater durability.
- It does not hang up.
- Ideal for large formats, floors subject to heavy traffic and pavements heated.
- Very low VOC emissions.

Uses

Installation of low, medium and high absorption ceramic pieces in interior and exterior cladding and flooring. Especially suitable for the installation of large-format and very low absorption wall tiles (porcelain, marble, natural stone) on outdoor floor and wall tiles. Ideal on heated floors (Underfloor heating). Perfect for indoor and outdoor floors subject to heavy traffic.

Presentation and storage

ColCret Flex Premium is packaged in 25 kg multi-sheet paper bags with moisture-proof film.

Storage: 12 months in original closed container, protected from humidity and in covered places.

Consumption

The approximate consumption of ColCret Flex Premium is 3 to 5 kg/m².

Supports

- Useful supports for the application of ColCret Flex Premium are
- Conventional cement-based supports.
- Mortar rendering and concrete slabs. Cementitious waterproofing mortars.
- Plasterboard and PYL partitions.
- Hard natural stone, heated floors and rehabilitation floors.

Preparing the Stand

The aforementioned supports must be healthy, clean, free of paint residues, poorly adhered parts or substances that may hinder adhesion. All supports must be of the appropriate flatness. The substrate must not have clear problems with humidity and, where appropriate, it must have completed its curing retraction having respected its maturation period. In case of heat, wind or on highly absorbent supports, it is advisable to moisten the support and wait for the water film to disappear. Do not apply to plasters or paints.

Application

Knead ColCret Flex Premium with 6.25-7.25 liters of clean water per 25kg bag manually or by electric whisk until a homogeneous, creamy and lump-free mixture is achieved. Let stand for 5 minutes before application.

The small-format pieces are placed by "combing" the paste on the substrate with a 6×6 mm notched trowel. For formats larger than 400 cm², an 8×8 mm toothed trowel will be used. The tiles must be pressed until the grooves of the adhesive are crushed.

The paste will be spread over surfaces of approx. 1 m² so that the time available between the application of the adhesive and the placement of the piece is less than the open time (30 minutes under normal conditions but may be reduced in conditions of high temperatures and/or winds). It is advisable to check if the open time has ended or if the gluing is being correct, for this it is enough to place a piece and lift it from time to time to see if the adhesive adheres to both the support and the ceramic tile. A total wetting of the back of the tiles must be obtained.

Tool Cleaning

Tools and tools are easily cleaned with water before the paste has hardened. Cured or hardened product can only be removed by mechanical means.

Technical data

Product identification and application data

Appearance	Powder
Color	White - Grey
Bulk density	≈ 1150 Kg/m ³
Mix Density	≈ 1600 Kg/m ³
Particle size range	0-600 μm
% Kneading water	± 25%
Mixture life time	≈ 2 a.m.
Adjustability Time	≥ 30 min.
Joint filling	≈ 24 h.
Performance	≈ 3.5 Kg/m ² Single gluing ≈ 5.0 Kg/m ² Double glued
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Final performance

Classification	C2TES2
Initial adhesion	≥ 1.0 N/mm ²
Grip after immersion in Water	≥ 1.0 N/mm ²
Adhesion after heat cycles	≥ 1.0 N/mm ²
Adhesion after ice cycles-de-icing	≥ 1.0 N/mm ²
Open Time	30 min.
Slippage	≤ 0.5 mm.
Transverse deformation	≥ 5.0 mm.
Total VOCs (28 days)	≤ 500 μg/m ³

Important Notes

- On plaster substrates, apply a primer with the Pavilat range, which will prevent contact between the plaster and the adhesive cement, thus avoiding adverse reactions.
- Do not apply on plastic, metal or wood.
- Do not apply below 5°C or above 30°C.
- Do not apply with risk of frost, rain, strong winds or direct sun.
- Leave joints with a minimum thickness of 2 mm. between pieces and grout with ColCret Classic Joint.
- On pavements larger than 30 m², leave partition or fractionation joints filled with a deformable material.
- In interior floors with a surface area greater than 15 m², it is recommended to leave a joint free of perimeter expansion between the floor and the wall or pillar, hidden by the skirting board.
- For pieces with a surface area greater than 900 cm² and weighing more than 40 kg/m², the use of mechanical anchors is essential, as well as for placement at height.
- To cover rehabilitation floors (terrazzo, natural stone) it is essential to clean the surface by mechanical means or with acidulated water.
- In underfloor heating, the heating must be switched on gradually and at least 7 days after the installation of the flooring and the grouting operation.
- Temperature, ventilation, absorption of the substrate and the different coating materials can vary the adjustability and drying times of the adhesive.

Safety and hygiene instructions

For any information regarding safety issues in the use, handling, storage, and disposal of chemical residues, users should refer to the most recent version of the Product Safety Data Sheet. The disposal of the product and its packaging must be carried out in accordance with current legislation and is the responsibility of the final consumer of the product.

Technical note

Technical requests from customers, either in writing or through tests, are always made in good faith and based on our personal experiences, and this does not imply any guarantee. The foregoing does not relieve you at any time of the obligation to check their validity and test our products as to their suitability for the desired processes and uses. The use, use and processing of our products and the products manufactured by you on the basis of our technical advice, are beyond our control and therefore completely under your responsibility.

The results and values indicated in this technical data sheet have been tested in accredited laboratories. The actual measurements of the devices may be subject to minor variations depending on the calibration of the devices and other circumstances that are not dependent on the company.

Legal Notice

The information contained in this technical sheet is based on our knowledge of the product, in view of our tests, knowledge and experience. The correct use, transport, storage and installation of the product has an impact on its final quality. Since we limit ourselves to selling or supplying a specific product at the customer's request, PAVICRET SL is not responsible for the use of the product that the customer may make. It is up to the customer to verify the suitability and suitability of the product for the desired application and purpose. In particular, the customer must verify the compatibility of the product in the event that he intends to use it by mixing it or causing an interaction with other products. Likewise, PAVICRET SL cannot assume any responsibility in the event of incorrect or reckless use of the product by the customer. Customers assume the obligation to know the technical data sheet of our products, as well as to make proper use of it.