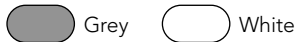
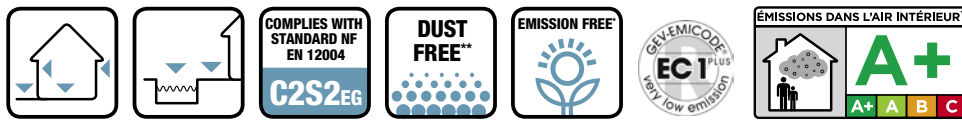


CERMIFLEX XTREM

IMPROVED, HIGHLY DEFORMABLE ADHESIVE MORTAR – SINGLE SPREADING FOR FLOORS AND WALLS



DESCRIPTION

Improved and highly deformable adhesive mortar for laying all ceramic and similar coverings in single spreading for interior floors and walls. Easy to apply and improved yield. Multipurpose, for both new work and renovation.

ADVANTAGES

- Saves time
- Very many substrates – for new work and renovation
- Can be laid directly on wooden floors
- Lay over cement screed after a very short drying time
- Very high deformability
- High coverage: 2.5 to 4.5 kg/m² depending on tile size
- Longer working time
- Single mixing ratio for floors and walls
- Single spreading of interior walls and floors
- * No volatile organic compounds
- ** Formula reduces dust emissions by 70-85% upon mixing.

WHERE TO USE

Surfaces that comply with current building codes, e.g. French NF DU 52.2 Bonded tile, AT/DTA.

NEW

Interiors: Walls

- Tamped or precast concrete
- Cement renders (CS IV)
- Single-coat mortar
- Plasterboard (whether or not it is waterproofed)
- Terracotta tile partitions
- Aerated concrete blocks

Interiors: Floors

- Slabs on an earth platform
- Concrete floors, slabs or cement or anhydrite screeds
- Heated floors, including reversible floors and electric heated floors
- For heated or non-heated cement screeds, it is possible to tile with CERMIFLEX XTREM 7 days after applying the screed and after removing any laitance or curing product. Heating is only turned on 7 days after jointing.

Interiors: Other uses

- CERMIPLAK ready-to-tile panels (PPC)
- Under-tile waterproofing systems (SPEC/SEL): CERMICRYL, MEMBRANE PPE, CERMITANCHE, CERMIMPER or CERMIPROOF ST
- Sanded waterproof sealing
- Lightweight screed and concrete
- Dry screed (panels for floors)
- Calcium sulfate screed (anhydrite, etc.) after CERMIPRIM UNIVERSEL or CERMIFILM primer
- Panelled wooden base floors (See RENOVATION)

Exteriors: Walls

- Tamped or precast concrete
- Cement renders
- Single coat (CS IV)

Exteriors: Floors

- Slabs on an earth platform
- Concrete floors, slabs
- Waterproofing system (SEL): CERMIMPER or CERMIPROOF ST
- Sanded waterproof sealing

Swimming pools, tanks, fountains:

- Sealing: CERMIPROOF ST waterproofing system

INTERIOR RENOVATION

Previous substrate examination and preparation according to Technical Specifications for renovation of interior floors in rooms rated as P3 and for renovation of interior walls.

Can be applied **without primer**.

- Existing ceramic coverings (floors and walls)
- Existing semi-flexible plastic tiles (floors)

Can be applied **with** CERMIPRIM UNIVERSEL, CERMIGRIP OU CERMIPRIM RAPID (floor) **primers**.

- Traces of existing bituminous, neoprene or acrylic adhesives
- Existing damaged paints on concrete and cement substrates.
- Unsanded asphalt screed with tiles $S \leq 3600 \text{ cm}^2$
- Wooden base floor* with tiles $100 \leq S \leq 2200 \text{ cm}^2$

- in E1 premises, after primer
- in E2 premises, after protection with our waterproofing systems, SPEC and SEL.

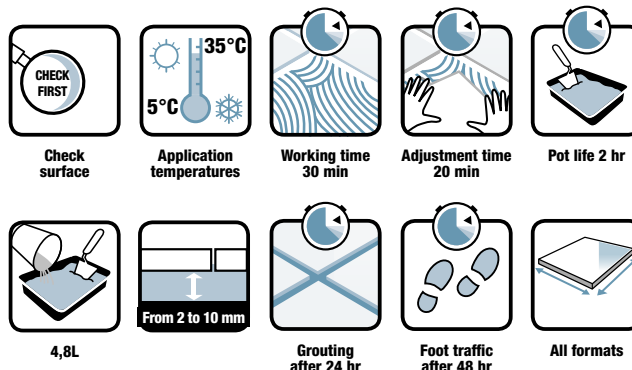
* Reminder: According to DTU 51.3, in two criss-cross layers of 12 mm thick CTBX panels, or one layer of CTBH or 22 mm thick OSB3 panels assembled by glued tongue and groove.

RELATED COVERINGS (That comply with the NF DTU 52.2, the French Building Standards)

- Pressed and stretched stoneware, thin vitrified or porcelain ceramics
- Terracotta tiles for interior floors only
- Terracotta tiles for interior and exterior walls
- Miscellaneous: Vitreous glass and mosaics, earthenware, slate (only for interior floors)
- Pressed slabs reconstituted from cement
- Suitable for oblongs (slenderness ratio up to 10).
- Natural stones (marbles, granite, lavas, etc.), assessing the risk of tile stainability (DTU 52.2 General choice of materials). Using the white version reduces this risk.
- Coverings with bottom-face treatment: ask us.
- Surface density limited to 40 kg/m² for walls.
- Revêtement avec traitement en sous-face : nous consulter.
- Masse surfacique limitée à 40kg/m² en mural.

HOW TO USE

Note: The following is a typical description of application. If your site has other parameters, contact our Technical Department.



TOOLS

Notched trowel suitable for the use and the powder consumption, mixing container, measuring bucket, tiling trowel, variable-speed mixer (use low speed).

SURFACE PREPARATION

The substrate must be sound, clean, strong, dust-free, free of grease and roughened, and not leach moisture, with flatness:

- $\leq 5 \text{ mm}$ under the 2 m rule for format $S \leq 3600 \text{ cm}^2$
 - $\leq 3 \text{ mm}$ under the 2 m rule for formats $S > 3600 \text{ cm}^2$ or oblongs
- For sizes greater than 10 cm², apply CERMIFILM or CERMIPRIM UNIVERSEL primer to porous substrates first:
- on walls, non-waterproofed plasterboard, aerated concrete, terracotta tile partitions
 - on floors, cement/anhydrite screed (with residual moisture < 0.5%)

NOTE: Applying primer to a porous substrate can increase the product's open working time.

PRODUCT PREPARATION

First prepare the tile with any cuts and then mix the adhesive mortar. Mix at 32%, i.e. 4.8 ± 0.15 l of water for 15 kg of powder. Mix the bag with the water until a lump-free, homogeneous paste is obtained: first use 80-85% of the water, then add the remaining 15-20% as needed. Allow to stand for approximately 5 minutes.

APPLICATION

Spread the CERMIFLEX XTREM in a regular layer on the substrate. Make it even using the suitable notched trowel for the format. Within the working time, press down the tiles to completely crush the grooves and make sure that the adhesive transfers completely. Remove any excess adhesive between the tiles. Use the correct control joints (DTU 52.2): expansion, fractionation, shrinkage, peripheral, stop joints.

FINISHING

Joints can be grouted 24–48 hours after laying the tile.

APPLICATION CONDITIONS

- Application temperature: +5 to +35°C
- Wait time before spreading: 5 min
- Pot life: 2 hr
- Practical open time: 30 min
- Adjustability time: 20 min
- Wait time before grouting: 24 hr
- Wait time for foot traffic: 48 hr
- Replacing swimming pool water: 7 days after grouting

Values obtained in the laboratory at 23°C and 50% RH, according to the current standard. These wait periods will be shorter at high temperatures and longer at low temperatures.

CLEANING AND MAINTENANCE

Clean tools with water after use, before the product hardens.


COMMENTS

Do not apply to a frozen surface, to one that is thawing, or to a hot surface. Protect the site from draughts. In very hot weather, dampen the substrate before the work and protect from direct sunlight. Switch off under-floor heating for 48 hr before and after laying the covering and during the work.

NOTE: CERMIBOOK contains many Tips Sheets that can help you: how to lay wood flooring, anhydrite screed, over existing tiles, and more.

* These values do not take into account the state of the substrate or the back of the tiles, whose imperfections are likely to increase adhesive consumption.

- (1) Outdoors, on a code-compliant substrate with a slope ≥ 1.5 cm/m
- (2) Limit of 2200 cm² for stones with porosity ≤ 2%
For façades: height 0 to 28 m for format S ≤ 2200 cm² and height 0 to 6 m for format S ≤ 3600 cm²
height 0 to 3 m for format s > 3600 cm²
- (3) Extra requirements:
- tiles with maximum length 300 cm, curvature and warp 1 mm maximum
- concrete and screed substrates for maximum flatness 3 mm under a 2 m rule
- (4) Up to 3 m high. On interior walls, apply primer to porous substrates.
- (5) Single spreading for mosaic and vitreous glass (S ≤ 120 cm²) and terracotta tiles (S ≤ 231 cm²).
- (6) On anhydrite screed (interiors), check with using a carbide meter that the residual moisture does not exceed 0.5%.

| | |
|---|--|
|  18 | CERMIFLEX XTREM Declaration of Performance Number MC/21.1/V1.07.2018 |
| | CERMIX - Rue de la Belle Croix - 62 240 DESVRES |
| EN 12004-1: 2017. Notified Body No. 0370. Improved, highly deformable adhesive mortar with longer open time for interiors and exteriors | |
| Reaction to fire | Class E |
| Release of hazardous substances | See the safety data sheet |
| Adhesion | |
| Initial tensile adhesion strength | ≥ 1,0 N/mm ² |
| Durability for | |
| Tensile adhesion strength after heat ageing | ≥ 1,0 N/mm ² |
| Tensile adhesion strength after water immersion | ≥ 1,0 N/mm ² |
| Tensile adhesion strength after freeze-thaw cycles | ≥ 1,0 N/mm ² |

PACKAGING

15 kg bag, 48 bags per pallet in white and grey

STORAGE & SHELF LIFE

2 years in the original sealed packaging, closed and in a dry place.

SAFETY INSTRUCTIONS

- EMISSION DANS L'AIR INTERIEUR (1) : Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).
- Consulter la fiche de données de sécurité sur le site internet www.quickfds.fr ou sur simple demande auprès de CERMIX France.
- Toujours porter les équipements de protection individuelle conformément aux directives et à la législation en vigueur.
- Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/nationale/internationale.

TECHNICAL CHARACTERISTICS

APPEARANCE – COMPOSITION

Hydraulic binders, silica fillers with defined particle size, resin, specific admixtures.

COVERAGE* in kg/m² of product

| Surface areas (cm ²) | ≤ 50 | 50 < S ≤ 300 | 300 < S ≤ 1 200 | 1 200 < S ≤ 2 200 | 2 200 < S ≤ 3 600 | 3 600 < S ≤ 10 000 ⁽³⁾ | > 10 000 ⁽³⁾ |
|--------------------------------------|----------|-----------------------|-----------------|-------------------|-------------------|-----------------------------------|------------------------------|
| INTERIOR WALLS | 1,5 (U3) | 2,5 (U6) | 4 (U9) | 4 (U9) | 4 (U9) | 4 (U9) | 4,5 (8x10x20) ⁽⁴⁾ |
| INTERIOR FLOORS | 1,5 (U3) | 2,5 (U6) | 4 (U9) | 4 (8x10x20) | 4,5 (8x10x20) | 4,5 (8x10x20) | 4,5 (8x10x20) ⁽⁶⁾ |
| INTERIOR WALLS⁽²⁾ | 2 (U6) | 3 (U6) ⁽⁵⁾ | 4,5 (U9) | 4,5 (U9) | 4,5 (U9) | 4,5 (U9) ⁽⁴⁾ | |
| EXTERIOR FLOORS⁽¹⁾ | 1,5 (U3) | 3 (U6) | 4,5 (U9) | 4,5 (8x10x20) | 4,5 (8x10x20) | 5,5 (8x10x20) | |

Double spreading Not applicable

We reserve the right to update this technical document. It is the user's responsibility to always check whether there is a more recent version available at our website, www.cermix.com. It is the responsibility of the person using the products to ensure that the products are compatible and suitable for the planned use. Prior tests may be carried out to confirm that products behave as expected.



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