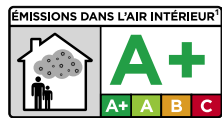
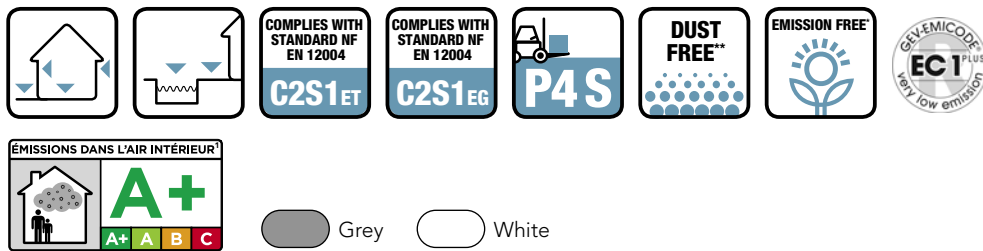


CERMIPLUS XL FLEX 2.0

NEW AND IMPROVED ADHESIVE MORTAR – HIGH DEFORMABILITY – NORMAL OR FLUID MIXING



DESCRIPTION

Deformable adhesive mortar with double mixing level, for laying all ceramic and similar coverings. Improved consistency for single or double spreading. Suitable for large sizes (100x100 cm) and oblongs (1/10). Suitable for high-demand premises (P4/P43). Multipurpose, for both new work and renovation.

ADVANTAGES

- Saves time
- Very many substrates for new work and renovation
- Longer working time
- Direct adhesion on existing tiles
- Can be used with electric-heated floors
- Can be used for façades
- Can be used for swimming pools
- Can be used in premises with high mechanical stresses
- Single and double spreading according to mixing ratio
- * 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.
- Electric heated floors (for 3600 to 10000 cm² format, use CERMIFACE with CERMIPLUS XL FLEX 2.0).

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
- With CERMIFACE on floors for panels rated as CTBH, CTBX, OSB3

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

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**.

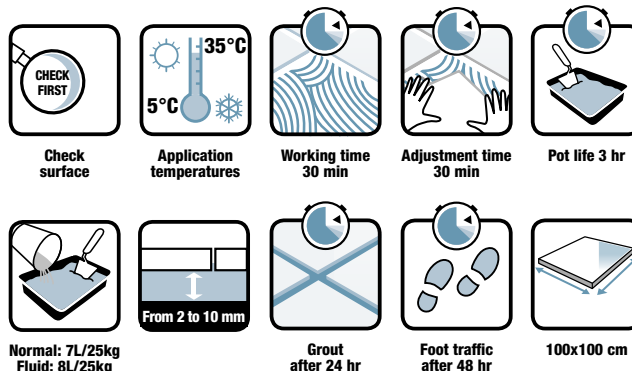
- Traces of existing bituminous, neoprene or acrylic adhesives
- Existing damaged paints on concrete and cement substrates.

RELATED COVERINGS (That comply with the NF DTU 52.2, the French building standards)

- 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.
- Surface density limited to 40 kg/m² for walls.
- 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:

- ≤ 5 mm under the 2 m rule for formats S ≤ 3600 cm²
- ≤ 3 mm under the 2 m rule for formats S > 3600 cm² or oblongs

PRODUCT PREPARATION

Mix:

- Approximately 7 (± 0.375) litres of water with 25 kg of powder for use in double spreading on floors and walls. i.e. ≈1.4 l for a 5 kg bag.
- Approximately 8 (± 0.375) litres of water with 25 kg of powder for use in single spreading on floors. i.e. ≈1.6 l for a 5 kg bag.

Mix until smooth. Let the mixture stand for 5 minutes before use.

APPLICATION

Spread the CERMIPLUS XL FLEX 2.0 in an even layer on the substrate.

Use single or double spreading as needed (see coverage table).

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.

On the façade we recommend using CERMIJOINT BM, a low modulus product that means fractionation joints are not needed (according to building code DTU52.2).

APPLICATION CONDITIONS

- Application temperature: +5 to +35°C

- Wait time before spreading: 5 min

- Pot life: 3 hr

- Practical open time: 30 min

- Adjustability time: 20 min

- Wait time before grouting: 24 hr

- Wait time for foot traffic: 48 hr

- Wait time for foot traffic in Class P4S areas: 3-5 days

- 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.

TECHNICAL CHARACTERISTICS

APPEARANCE – COMPOSITION

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

COVERAGE* in kg/m² of product

Normal consistency

Surface areas (cm ²)	S ≤ 300	300 < S ≤ 500	500 < S ≤ 1 200	1 200 < S ≤ 2 200	2 200 < S ≤ 3 600	3 600 < S ≤ 10 000
INTERIOR WALLS	3,5 (U6)	3,5 (U6) ⁽¹⁾	7 (U9)	7 (U9)	8 (E10) ⁽³⁾	
INTERIOR FLOORS	3,5 (U6)	4,5 (U9)	4,5 (U9) ⁽¹⁾	7 (U9)	8 (E10)	8 (E10) ⁽³⁾
INTERIOR WALLS ⁽²⁾	5 (U6)	7 (U9)	7 (U9)	8 (E10)	8 (E10) ⁽⁴⁾	
EXTERIOR FLOORS ⁽¹⁾	5 (U6) ⁽⁷⁾	7 (U9)	7 (U9)	8 (E10)	8 (E10)	

* 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.

Double spreading Not applicable

Consistance fluide

Surface areas (cm ²)	120 < S ≤ 1 200	1 200 < S ≤ 2 200	2 200 < S ≤ 3 600	3 600 < S ≤ 10 000
INTERIOR FLOORS	5 (U9)	6 (E10)	8 (E10)	8 (8x10x20)
EXTERIOR FLOORS	6 (E10)	7 (E10)	8 (E10) ⁽⁴⁾	

(1) Double spreading with low porosity tiles (DTU 52.2), i.e. an additional consumption of 1 to 1.5 kg/m²

(2) Outdoors, on a code-compliant substrate with a slope ≥ 1.5 cm/m

(3) Interior walls on concrete or cement-coated substrates

(4) Natural stone tiles only

(5) Tiles with maximum length 120 cm, curvature and warp of maximum 1 mm, concrete and screed substrates with flatness of maximum 3 mm under the 2 m rule

(6) 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

(7) Single spreading for mosaic and vitreous glass (S ≤ 120 cm²) and terracotta tiles (S ≤ 231 cm²)

 19		CERMIPLUS XL FLEX 2.0 Declaration of Performance Number MC/10.11/V1
CERMIX - Rue de la Belle Croix - 62 240 DESVRES		
EN 12004-1: 2017+A1. 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	

REFERENCE DOCUMENTS

Complies with standard EN 12004. CSTB certified.

DTU 52-2, corresponding amendments, and relevant Technical Specifications.

PACKAGING

25 kg bag, 48 bags per pallet

5 kg bag, 120 bags per pallet

STORAGE & SHELF LIFE

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

SAFETY INSTRUCTIONS

- EMISSIONS IN INDOOR AIR (1): Information on the level of volatile substances emitted in air indoors, presenting a toxicity risk by inhalation, on a classification scale ranging from A+ (very low emissions) to C (high emissions).

- Consult the safety data sheet at www.quickfds.fr or simply ask CERMIX France for it.

- Always wear personal protective equipment that meets current guidelines and regulations.

- Dispose of the contents and container in accordance with local/regional/national/international regulations.

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.