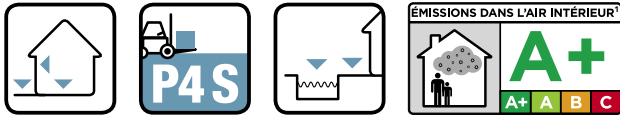


CERMIPROOF ST

UNDER-TILE LIQUID SEALING SYSTEM (SEL) – FIBRE-REINFORCED, WITHOUT REINFORCEMENT MEMBRANE



 GREY POWDER

 WHITE RESIN



DESCRIPTION

Two-component cement-based system for easy waterproofing under tiles. It is fibre-reinforced and does not require the use of a reinforcement membrane. Compatible with many interior floor and wall substrates, CERMIPROOF ST can be used for both new work and renovation. Because of high performance, CERMIPROOF ST can create waterproofing with direct bonded laying in premises rated as class P4S (E3).

ADVANTAGES

- All interior and exterior areas
- Bonded and mortar-bedded application
- Fibre-reinforced
- Suitable for submerged walls
- Resists cracking
- Excellent adhesion
- Significant elasticity
- Does not require a reinforcement membrane

DOMAINE D'EMPLOI

INTERIORS

Intermediate floors for private or public rooms, where waterproofing is required:

- Max P3 in bonded laying, DTU 52.2
- P4/P4S for floating bedded tiles, DTU 52.1
- P4/P4S in bonded installation
- New work and renovation

EXTERIORS

- Balconies, loggias, terraces, pools, swimming pools, tank linings.

Substrates

INTERIOR FLOORS

- New work: all concrete and screed substrates
- Renovation: existing ceramic coverings
- Slope required: at least 1 cm/m

EXTERIOR FLOORS

- New: concrete (DTU 52.2) substrates with sloped shapes
- Slope required: at least 1.5 cm/m.

INTERIOR WALLS

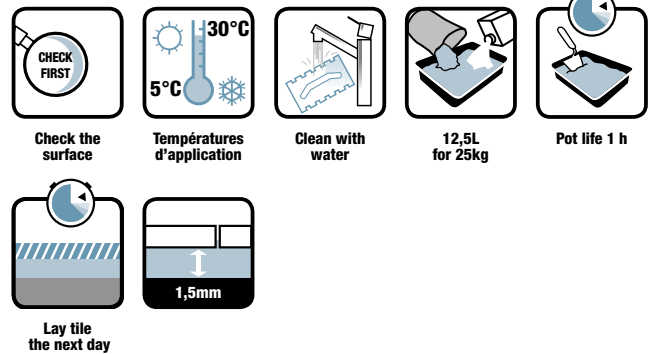
- Substrates that comply with DTU 52.2 P1.1.1.

BASINS

- Reinforced or prestressed concrete, see specification 74.

HOW TO USE

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



TOOLS

Variable-speed mixer (use low speed), mixing container, smoother, heavy-nap roller.

SURFACE PREPARATION

The surface should be sound, clean, solid, free of dust, not leach moisture, and be free of form oils, poorly adherent materials or holes. Dampen the cement substrate slightly beforehand, except doubling partitions, tiles and plaster coatings: use CERMIFILM primer. On non-porous substrates (existing ceramic coverings): roughen glossy surfaces and sand glazed tiles. Apply CERMIPROOF ST directly without primer.

SURFACE PREPARATION

Mixing

Preferably use a slow mixer (300 rpm) to obtain a homogeneous, lump-free paste. Mix 25 kg of powder with approximately 2/3 of the resin. Then add the rest of the resin.

APPLYING THE SYSTEM

TREATMENT OF SMALL AREAS

These should be treated before the standard portions using the following accessories, mounted in a first sealing coat:

- Corners, raised portions, frames: reinforcement membrane AR12 or AR12C.
- Internal corners, corner AA12.
- 0.3 to 2 mm cracks: reinforcement membrane AR12
- Patterns and other special points (drains, siphons, gutters, crossing or non-crossing devices, portholes, pool ends, etc.): refer to AT CERMIPROOF ST.

APPLYING CERMIPROOF ST – Apply to main areas in two coats. Use the following ratios:

On a porous substrate:

- 1st coat: 25 kg of powder + 12.5 l of resin + 0.5-1 l of water max.
- 2nd coat: 25 kg of powder + 12.5 l of resin.

On a closed substrate:

- 1st coat: 25 kg of powder + 12.5 l of resin.
- 2nd coat: 25 kg of powder + 12.5 l of resin.

Apply the first coat using the smoothing trowel, until the substrate is saturated, using 1.5 kg/m². Apply the second 1.5 kg coat as soon as the first is dry to the touch. (about 2-3 h).

The average thickness of the dry coating must be at least 1.5 mm, with no localized area being less than 1 mm thick..

TILE INSTALLATION (See the products' technical data sheets)**Bonded installation**

Use CERMIFIX (wall earthenware), CERMIPLUS 2.0 (excluding P4/P4S), CERMIPLUS XL FLEX 2.0, CERMIPLUS XL FLEX RAPID, CERMIFLOOR N (floors) and CERMIFLOOR HPR (floors).

For sizes from 3600 to 10,000 cm², use CERMIPLUS XL FLEX 2.0, CERMIFLEX or CERMIPLUS XL FLEX RAPID 2.0.

If a zero slope is imposed in the main part of rooms rated P4/P4S E3, the covering is bonded and joined with EPOSOL 2.0. In this case, observe a slope of at least 1.5% at the outflows (over 50 cm).

Mortar-bedded installation

Separate the CERMITANCHE ST RAPID film using a 170 g/m² non-woven + 0.15 mm thick synthetic film and apply the mortar according to DTU 52-1.

FINISHING

Adapt the grouting mortar depending on how aggressive the water is:

- Normal water: CERMIJOINT COLOR with CERMILATEX, CERMIJOINT HRC, etc. added
- Sea water, spa water, aggressive water, public baths: EPOGLASS 2.0, EPOSTYL, EPOSOL 2.0, etc.

APPLICATION CONDITIONS⁽¹⁾

Make sure the area is dry and draught-free and out of direct sunlight. For outdoor applications, weather conditions must be monitored for at least 24 hours before, during and after installation, to protect the site from wind, rain and frost.

Application temperature: 5 to 30°C. Practical working time: 1 hr

Drying time before tile: 12 hours

Swimming pools can be filled 7 days after jointing.

(1) 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 before the product dries.

COMPLEMENTARY PRODUCTS

CERMIFILM, AR12 and AR12C reinforcing membranes, AA12 corner joints, AP12 blister pack of squares for piping.

COMMENTS

On floors, access to the room must be prohibited before the tiles are laid.

On a standard cement-based substrate, dampen it prior to coating. When windy or sunny the product's very high resin content may lead to a skin forming on the fresh product in the mixing container. Any dried skin should not be used and should be disposed of.

Excluded substrates: industrial floors, roof terraces and exterior floors over closed parts of buildings.

TECHNICAL CHARACTERISTICS**APPEARANCE**

Two-component mortar consisting of:

- A powder made of hydraulic binders, silica-limestone fillers with a specific particle size range, fibres and specific admixtures.
- A latex made of an aqueous emulsion with high polymer and synthetic resin content.

COVERAGE

3 kg of mixture/m² for both coats.

CE 16	CERMIPROOF ST Declaration of Performance Number ETAN/3.1/V1.01.2016	
	CERMIX - Rue de la Belle Croix - 62 240 DESVRES	
EN 14891:2012 Liquid waterproofing product based on cement and polymer with improved crack bridging capability at negative temperatures (-20°C) and resistance to chlorinated water.		
Adhesion		
Early tensile adhesive strength		≥ 0.5 N/mm ²
Initial adhesion after action of water		≥ 0.5 N/mm ²
Tensile strength after heat treatment		≥ 0.5 N/mm ²
Tensile strength after contact with lime water		≥ 0.5 N/mm ²
Waterproofing		no water passage
Crack bridging ability		≥ 0.75 N/mm ²
Tensile strength after freeze/thaw cycles		≥ 0.5 N/mm ²

REFERENCE DOCUMENTS

With the approval of our Technical Department, and compliance with current building standards and technical specifications.

CONDITIONNEMENT

37.5 kg kit (25 kg bag of powder + 12.5 kg bucket of latex): 40 kits per palette

STOCKAGE & CONSERVATION

1 year in the original packaging, protected from damp, frost and sunlight.

PRÉCAUTIONS DE SÉCURITÉ

- 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.