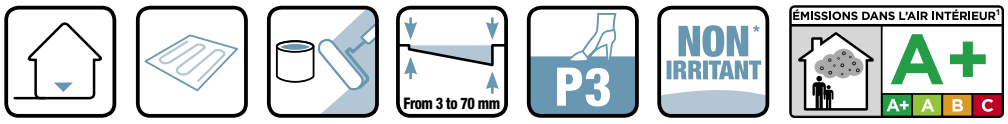
RAGREMAX

MULTIPURPOSE LEVELLING MORTAR – HEAVY TRAFFIC – THICKNESS 3 TO 70 M



Water-heated floors

Off white

DESCRIPTION

Versatile levelling mortar suitable for many substrates, new work and renovation. Compatible with high traffic rooms, it will be covered with a hard covering, a plastic or textile flooring or painted.

ADVANTAGES

- Highly versatile, for many substrates
- Good self-levelling
- Quick curing
- Surfaces look smooth and even
- No shrinkage
- New work and renovation
- Can be pumped

WHERE TO USE

- Homes, premises rated P3E2 with intense demands: pavilions, offices, schools, hospitals, airports, etc.
- Heated floors, both water and electric, with the approval of our Technical Department f or calcium sulfate

SUBSTRATES

- Masonry substrates, concrete floors, slabs on an earth platform
- Fluid cement or calcium sulphate screed, lightweight screeds (p > 0.65)
- Panelled wooden flooring, parquet flooring with rigid strips
- Existing tile, natural stone, granite, semi-rigid plastic slabs
- Existing floor paint
- Traces of adhesive
- Existing P3 levelling mortar in good condition (only one coat allowed, after testing in advance for good adhesion)

ASSOCIATED COVERINGS and indicative waits before covering(1)

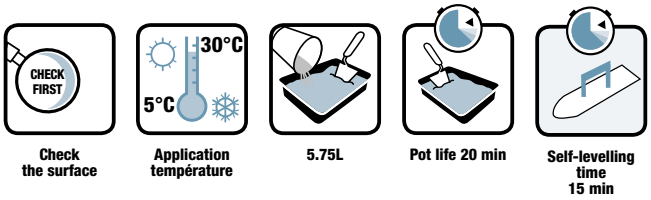
Important: Adhesive products will be suitable for substrates that contain calcium sulfate. Technical specifications 3227 Bonded tile over a calcium sulfate substrate, provides for the use of a water-repellent system like SPEC in rooms rated E2.

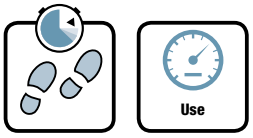
Coverings/ Thickness, mm	≤5 mm	6-10 mm	11-30 mm	31-70 mm	Residual moisture
Tiles and textiles	1 day	2 days	+ 0.5 days per mm	+1 day per mm	≤ 1%
Plastic coatings	1-2 days	5-6 days	+ 0.5 days per mm	+1 day per mm	≤ 0.5%
Parquet and all coverings allowed over wooden floors	3 days	7 days	+ 0.5 days per mm	+1 day per mm	≤ 0.5%
Floor paint	3 days	7 days	+1 day per mm	+2 days per mm	≤ 0.3 %

Compliance with these times does not exempt users from DTU/ Technical Specifications checks for the covering being laid.

HOW TO USE

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





PREPARATION STEPS

See Technical Specifications P3 Floors Renovation for testing before work and substrate preparation and CERMIX Tip sheets.

TOOLS

Mixing container, measuring bucket, variable-speed mixer (use slow speed) with a spout suitable for smoothing mortars, stainless-steel smoothing trowel, a debubbling roller suitable for the thickness applied, a mortar pump if using one, etc.

SURFACE PREPARATION

The surface should be sound, clean, solid, free of dust, not leach moisture, and be free of form oils and poorly adherent materials.
Apply primer to the substrate: CERMIFILM, CERMIPRIM UNIVERSAL, CERMIPRIM RAPID or CERMIGRIP depending on the substrate.
Depending on the risk, use an anti-rising damp barrier (see CERMIBLOC technical data sheet).
Install bond-breaking strips around the edge of each room and around vertical components.
Note: Comply with the technical data sheets for the various surface-preparation products.

PRODUCT PREPARATION

Using an electric mixer on low speed, mix 25 kg of powder with 5.75 ± 0.375 l of water for ≈3 min until a paste with a fluid, even, lump-free consistency is obtained.
For thicknesses > 30 mm, gradually add sand 0/4 (≈1 masonry bucket) to the above mixture and adjust with water if necessary..

EQUIPMENT PREPARATION

If pumping, use a pump that ensures adequate, uninterrupted and constant water flow. The pump and its accessories must be clean and properly prepared to deliver the mortar. Mix by hand a few times to reproduce the pumping consistency. The applicator team must be trained in how to apply levelling mortar using a pump. Do not hesitate to contact the pump manufacturer with any questions.

APPLICATION

Without waiting, spread the product using a stainless-steel smoothing trowel using large back and forth movements. To improve mortar adhesion, first scrape it down to nothing.
Spread and smooth quickly after mixing.
To finish, especially at corners of connectors, use a debubbling roller.
For thicknesses greater than 30 mm, we recommend levelling the product using a screed broom in criss-cross passes.

APPLICABLE THICKNESSES

In a single coat:
3 to 30 mm, locally up to 40 mm, if area <1 m².
30 to 70 mm, adding sand 0/4 at 50% by weight.

APPLICATION CONDITIONS(1)

Make sure the area is dry and draught-free and out of direct sunlight.

Switch off heated flooring for at least 48 hr before, during and after use.

Application temperature: 5-30°C

Pot life: approx. 20 min

Self-levelling: approx. 15 min

Open to foot traffic: approx. 2-4 hr

Time before any sanding: approx. 4-6 hr

(1): Values obtained at 20°C and 60% RH in the laboratory. Product workability and drying times are shorter in high temperatures and longer in colder temperatures.

CLEANING AND MAINTENANCE

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

COMPLEMENTARY PRODUCTS

Compressible bond-breaking strips (for the edges), primer, caulk, dry silica sand.

COMMENTS

Seal wooden floor grooves with a caulk from the CERMIX range.

A cement-based product cannot be mixed with or laid on RAGREMAX.

The amount of water depends on the site's specific characteristics. Under identical conditions, the amount is higher in high temperatures and for low thicknesses. On the contrary, it is less for cold temperatures and high thicknesses.

To obtain a smooth surface appearance, the following parameters must be as constant as possible: site conditions, substrate regularity, tools, preparation and application of the mortar, continuity and consistency of thickness.

TECHNICAL CHARACTERISTICS

APPEARENCE – COMPOSITION

Hydraulic binders, mineral fillers, synthetic resins and special admixtures.

COVERAGE

1,5 kg/m²/mm thick.

CE 14	**RAGREMAX** Declaration of Performance Number **RAG/10.1/V1.05.2014**
CERMIX - Rue de la Belle Croix - 62 240 DESVRES	
EN 13813 CA-C16-F4 Calcium sulfate-based screed material.	
Reaction to fire	Class Ffl
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C16
Flexural strength	F4
Wear resistance	NPD
Noise insulation	NPD
Noise absorption	NPD
Heat resistance	NPD
Chemical resistance	NPD

REFERENCE DOCUMENTS

Complies with standard EN 13813.

PACKAGING

25 kg bags, 48 bags per pallet.

STORAGE & SHELF LIFE

Storage: one year in the original sealed packaging 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.

CERMIX – a brand of KORAMIC Construction Chemicals
rue de la Belle Croix 62 240 Desvres - Tél : +33 (0)3 21 10 10 40 – Fax : +33 (0)3 21 33 66 56
www.cermix.com - contact@cermix.com