RAGREFOR

FIBRE-REINFORCED – VERY HEAVY TRAFFIC – THICKNESS 3 TO 50 MM

Light grey

DESCRIPTION

Self-levelling fibre-reinforced mortar for correcting interior or exterior floors. High thickness and able to be covered quickly, RAGREFOR is suitable for many new and renovated substrates, including in rooms rated P4S. RAGREFOR can remain bare or be painted.

ADVANTAGES

- Can be walked on without being covered
- Good self-levelling
- Surfaces look smooth and even
- New work and renovation
- Can be pumped
- Rapid coverage

WHERE TO USE

- Houses, rooms with very heavy demands: superstores, kitchens, bathrooms, showers, health and technical rooms, balconies, terraces, whirlpool and spa rooms, cold rooms, etc.
- Heated floors, both water and electric

SUBSTRATES That comply with current DTU and Technical Specifications

- Masonry substrates, concrete floors, slabs on an earth platform
- Panelled wooden flooring, parquet flooring with rigid strips or inlaid
- Existing tile, natural stone, granite, semi-rigid plastic slabs
- Existing floor paint (to be removed in P4/P4S rooms)

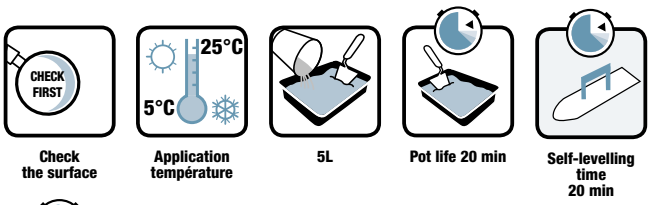
ASSOCIATED COVERINGS and indicative waits before covering[1]

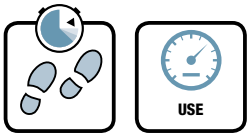
Coverings/Thickness, mm	3-10	11-20	21-30	31-50
Tile and carpet	4 hr	4 hr	4 hr	8 hr
Plastic and similar coverings	1 day	3-4 days	5-7 days	7-10 days
Parquet and all coverings allowed over wooden floors	2 days	4-5 days	6-8 days	12-14 days
Floor paint (Consult us if P4/P4S)	2 days	4-5 days	6-8 days	14 days
Uncoated: private premises, private garages, terraces	2 days	2 days	2 days	3 days

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 low speed) with a spout suitable for smoothing mortars, stainless-steel smoothing trowel, debubbling roller suitable for the thickness used, a mortar pump for fibre-reinforced mortars (if pumping), etc.

SURFACE PREPARATION

The surface should be sound, clean, solid, free of grease and dust, rough, not leach moisture, and be free of form oils and poorly adherent materials.
Apply primer to the substrate: CERMIFILM, CERMIPRIM UNIVERSEL, CERMIPRIM RAPID or CERMIGRIP depending on the substrate.
Depending on the risk, use an anti-rising damp barrier (see CERMIBLOC technical data sheet). This also reduces the risk of bubbling.
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 ± 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) 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 for the flow of mortar that contains fibres. Mix by hand a few times to reproduce the pumping consistency. The team applying the product must be trained for applying levelling mortar using a pump. Do not hesitate to contact the pump manufacturer if you have 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 10 mm under renovation and outdoors, locally up to 20 mm, if area <1 m²

3 to 30 mm in new premises and renovation, locally up to 40 mm, if area <1 m²

30 to 50 mm, adding sand 0/4 at a rate of 50% by weight

About 2 hours before applying the primer, potholes can be filled with RAGREFOR mixed to the right consistency and applied over fresh slurry.

APPLICATION CONDITIONS

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.

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

Use when the temperature is between 5 and 25°C: powder, water, tools, atmosphere, substrate.

Pot life: approx. 20 min

Self-levelling: approx. 20 min

Open to foot traffic: approx. 3 hr

Time before any sanding: approx. 3-6 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 0/4 or 0/5.

COMMENTS

Tips

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

For fractionation, use shapes suitable for the thickness of the coating applied.

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.

Exclusions

Unstable substrates and swimming pools: submerged parts and edges, etc.
External substrates with slope < 1.5%

TECHNICAL CHARACTERISTICS

APPEARENCE – COMPOSITION

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

COVERAGE

1,5 kg/m²/mm thick.

CE 16	**RAGREFOR** Declaration of Performance Number **RAG/11.1/V2**
CERMIX - Rue de la Belle Croix - 62 240 DESVRES	
EN 13813 CT-C30-F7 Cement-based screed material.	
Reaction to fire	Class Ffl
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C30
Flexural strength	F7
Wear resistance	AR 0.5
Noise insulation	NPD
Noise absorption	NPD
Heat resistance	NPD

REFERENCE DOCUMENTS

Complies with standard EN 13813.

CSTB certified.

Complies with standard EN 13813. DTU, Technical Specifications in force.

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.

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