

# FINISOL®

## SELF-LEVELLING MORTAR FOR RESURFACING FLOORS

Floor mortars



Update on 07/13/2023

### Properties

Single-component mortar based on hydraulic binders, mineral fillers, redispersible resins and additives.

Performance class C40 F10 according to EN 13813.

Mixing produces a very fluid mortar.

#### ADVANTAGES:

- Thickness of application: 5 to 30mm,
- Can be left bare or covered,
- Compatible with all types of hardened concrete,
- Fast-drying, can be covered by any type of surfacing after a few days,
- Safe and easy to use : ready to mix with water,
- Perfect finish: fine, regular appearance,
- Applied in a single pass,
- Simplicity of preparation and placement,
- Great self-smoothing power avoiding sanding,
- Suitable for P4/P4S areas.

### Domains of application

Resurfacing of indoor and outdoor floors, new or old, before the placement of thin surfacings in areas of moderate traffic.

Acceptable substrates : Concretes, pre-cast parts, as-cast concrete slabs, separate and monolithic screeds.

Later surfacings : Parquet, plastic flooring, carpet, tiles, epoxy, PU, and acrylic floor paints.

## Characteristics

|                                                                                                                      |                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Particle size                                                                                                        | 0 to 2 mm                                                                                                                                                          |
| Density of the powder                                                                                                | Approximately 2,1                                                                                                                                                  |
| pH of mixed product                                                                                                  | 13                                                                                                                                                                 |
| Usual temperature of use                                                                                             | + 5°C à + 35°C                                                                                                                                                     |
| Thickness                                                                                                            | 5 to 30 mm                                                                                                                                                         |
| Commissioning at 20°C                                                                                                | <ul style="list-style-type: none"> <li>• Pedestrian traffic : 24 hours</li> <li>• Light vehicle : 48 hours</li> </ul>                                              |
| Waiting time for laying floor coverings<br>(depending on the applicable DTU and the residual humidity of the mortar) | <ul style="list-style-type: none"> <li>• 2 days if the temperature is greater than or equal to 20°C</li> <li>• 5 days if the temperature is around 10°C</li> </ul> |
| <b>FDES Mortar for floors – smoothing and leveling coating</b>                                                       |                                                                                                                                                                    |

## Use

### Preparation of substrates :

The substrates must be clean, sound, free of dust and oil, not at freezing temperatures, and at least 28 days old.

They must be compliant with the DTU and CPT in force, in the case of doubtful supports, it is necessary to carry out planing, in order to eliminate the non-adherent surface layer.

The cohesion of the support must be at least 0,8 MPa (tests carried out by direct traction).

A separation is to be provided by a foam seal on all vertical parts (walls, posts, etc.) in contact with the substrate to be treated.

Any specific planimetry defects will be repaired using a RAVAFLUID or RAVALCHOC® type repair mortar.

3 types of substrates may be encountered :

- very porous,
- smooth and closed,
- of normal porosity.

In all cases, the TECHNA ACRYL primer will be applied on a dry base, its consumption will depend on the porosity of the support.

Wait for it to dry before applying later products.

### Preparation of the mortar :

**Mix one 25kg bag of FINISOL® with 3,5 to 3,8 liters** of water to produce a lump-free homogeneous mixture.

The order of incorporation must be water first, then the powder.

The mixing is done using a slow-speed electric mixer, a drill, or a concrete mixer.

In all cases, never later add water to a mixture already prepared.

### Application :

On substrates prepared as described above, gradually spread the mortar on dry TECHNA ACRYL on the floor and adjust the thickness with a float, a flooring trowel, or a screed.

### Precautions for use :

#### FRACTIONING JOINTS :

When the structural work includes joints, the screed must be divided at the same locations; in all cases the joints are carried out for surfaces of around 25 m².

Their length is a maximum of 8 m, 5 m is preferable.

The fractioning joints are made either by sawing the fresh or hardened mortar, or by profiles placed before the mortar is placed.

Do not apply in the rain or if frost is forecast within 24 hours.

In case of high temperatures or strong winds, carry out a cure with a curing product such as PROTECSOL GE 08, spray on the mortar while it is still fresh but without bleeding.

Be careful in case of subsequent coatings (paint, cement glue) it will be necessary to remove the curing product.

#### Installation of paints or floor coverings :

Strictly apply DTU 59.3 or 53.2.

### Performances

Adhesion at 28 days on primer > 1,8 MPa.

Mechanical strength values on 4x4x16 at 20°C en MPa (dosage : 3,7 L of water for 25 kg bag) :

|                             | 24 hours | 7 days | 28 days |
|-----------------------------|----------|--------|---------|
| <b>Compressive strength</b> | 10       | 30,9   | -       |
| <b>Flexural strength</b>    | 2,6      | 4,3    | -       |

Laboratory test.

Setting time :

|                                                        | Beginning | End  |
|--------------------------------------------------------|-----------|------|
| <b>Mixed mortar<br/>(3,7 L of water per 25 kg bag)</b> | 7h37      | 9h33 |

Laboratory test.

### Proportion

On average 1,9 kg of mixed product /m² / mm of thickness.

### Safety

Refer to the safety data sheet.



*\*Information on the level of emissions of volatile substances into indoor air presenting a risk of toxicity by inhalation, on a class scale ranging from A+ (very low emissions) to C (high emissions).*

## Storage

1 year in original packaging, protected from moisture.

## Packaging

25 kg bag  
Pallet of 1400 kg, i.e. 56 bags

*The data sheets are written in French. The English version is provided for informational purposes. In case of conflict, only the French version shall prevail between the parties.*

CE marking applies to the European Economic Area (EEA)

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| EN 13813 CT - C40 - F10<br><br>FINISOL anglais                                                                                    |                                                                                                                                                                                                                                                                                                                            |
| Floor coating                                                                                                                     | Reaction to fire : Ffl<br>Release of corrosive substances : CT<br>Water permeability : NDP<br>Water vapor permeability : NDP<br>Compressive strength : C40<br>Bending strength : F10<br>Wear resistance : NDP<br>Sound insulation : NDP<br>Sound absorption : NDP<br>Thermal resistance : NDP<br>Chemical resistance : NDP |

The information provided in this document is for guidance only and reflects our current knowledge. We shall not be responsible or liable for any improper or inappropriate use of our products.

Given the wide range of possible uses, our recommendations do not exempt users from carrying out their own tests. Our laboratory and technical department will be happy to provide you with any information you may require.

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