

# SCREED-60 EXPRESS

## Fast-curing cementitious floor leveling screed

### Description

SCREED-60 EXPRESS is a pre-blended (just add water), fast-curing and low-shrinkage cement screed for fast floor leveling and smoothing applications where floor coverings are to follow. It is characterized by high initial and final strength, strong adhesion to the substrate and excellent workability. Provides a level and durable surface that can receive a floor finish in a short period. Suitable for indoor and outdoor applications up to 60 mm thickness.

Certified according to EN 13813 and classified as a CT-C30-F7-A12 type floor coating material. CE marked.

### Fields of application

Ideal for fast filling, smoothing and leveling of floors in commercial, residential and office spaces where fast floor covering installation is required. Suitable for laying cement screeds above underfloor heating systems.

### Technical data

Form:	cementitious powder
Color:	grey
Water demand:	1.9 l/25 kg bag
Application thickness:	up to 60mm
Bulk density of dry mortar:	1.90 ± 0.1 kg/l
Bulk density of fresh mortar:	1.93 ± 0.1 kg/l, depending on compaction
Compressive strength (EN 13892-2*):	
• 24 h:	> 17 N/mm <sup>2</sup>
• 28 days:	> 30 N/mm <sup>2</sup>
Flexural strength (EN 13892-2*):	
• 24 h:	> 4 N/mm <sup>2</sup>
• 28 days:	> 7 N/mm <sup>2</sup>
Shrinkage (EN 13454-2*):	
• 28 days:	0.40 ± 0.1 mm/m

Adhesion strength (EN 13892-8\*):

- 28 days: > 1.5 N/mm<sup>2</sup>

Wear resistance: 9.9 cm<sup>3</sup>/50 cm<sup>2</sup>, A12 (EN 13892-3, Bohme test)

Reaction to fire: Euroclass A1<sub>fl</sub> (EN 13501-1)

Foot traffic: after 12 h

Overcoat time: after 1 to 4 days, depending on the type of floor to be installed

Pot life: ~ 60 min

\*at 23±2°C and 50±5% relative humidity, depending on compaction

### Directions for use

#### 1. Substrate

The substrate must be stable, dry, free from rising damp, dust, grease, loose materials or other contaminants that may impair the adhesion of SCREED-60 EXPRESS.

#### 2. Application

Slowly pour a 25 kg of SCREED-60 EXPRESS into a container with 1.9 l of water while stirring. Mix for a minimum of 5 minutes using a low-speed mixer (300 rpm) until a lump-free mix with semi-dry consistency is formed.

SCREED-60 EXPRESS is applied according to the general practices used in conventional cement floors. Apply the mixed material onto the prepared substrate using screed guides and then tamp it down with a screed bar/straight edge to ensure proper compaction prior to leveling and smoothing with a float to obtain the desired final result.

For application thicknesses between 10-60 mm to non-absorbent substrates such as ceramic tiles, it is recommended to apply first a bonding layer using ADIPLAST polymer latex, so as to ensure excellent adhesion to the substrate.

SCREED-60 EXPRESS is applied while the bonding layer is still fresh ('wet on wet'). Mixing ratio of the ADIPLAST bonding layer:

Cement : sand : ADIPLAST : water = 1 : 1 : 0.5 : 0.5 by volume.

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For application thicknesses between 10-40 mm to absorbent cementitious substrates, it is recommended to apply first a bonding layer using ADIPLAST polymer latex to ensure excellent adhesion to the substrate.

SCREED-60 EXPRESS is applied while the bonding layer is still fresh ('wet on wet'). Mixing ratio of the ADIPLAST bonding layer:

Cement : sand : ADIPLAST : water = 1 : 1 : 0.5 : 0.5 by volume.

For application thicknesses between 40-60 mm to absorbent cementitious substrates, it is recommended to properly saturate the substrate with water before the installation of the new cement mortar.

## Consumption

Approx. 18 kg/m<sup>2</sup>/cm of fresh mortar layer thickness, depending on compaction.

## Packaging

25 kg bags.

## Shelf life – Storage

12 months after production date in its original, unopened packaging, stored in frost-free and dry conditions.

## Remarks

- Before installing SCREED-60 EXPRESS on substrates with rising damp, apply first a suitable waterproofing layer.
- During application and at the start of the setting/hardening process, the material must be protected from rapid water loss due to high temperatures, sunlight or air currents.
- Do not mix SCREED-60 EXPRESS with other binding materials (e.g. cement, gypsum, lime) or other additives.
- Ceramic tiles and natural stones may be installed after 24 hours and after 2 days, respectively.
- Parquet, PVC and linoleum floorings may be installed after 4 days, once SCREED-60 EXPRESS is completely dry.
- Suitable for laying floors ready to withstand foot traffic after 12 hours.
- Before installing a parquet or plastic flooring, we recommend that the measured remaining moisture should be less than 2%.
- Temperature during application must be at least +5°C.
- Do not use the mix that has already begun to set in the mixing tank.
- Do not use more water than instructed. Do not add more water to the mix that has already begun to set.
- Due to cement content, the product reacts with water forming alkaline solutions, and thus is classified as irritant.
- Please consult the directions for safe use and precautions written on the packaging before use.

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**EN 13813 CT-C30-F7-A12**

Cement screed material for use internally  
in buildings

DoP No.: SCREED 60 EXPRESS/1610-01

Reaction to fire: A1<sub>fl</sub>

Release of corrosive substances: CT

Water permeability: NPD

Water vapor permeability: NPD

Compressive strength: C30

Flexural strength: F7

Wear resistance: A12

Sound insulation: NPD

Sound absorption: NPD

Thermal resistance: NPD

Chemical resistance: NPD

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**BUILDING CHEMICALS, MORTARS & PAINTS**

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