

SCREED 60 EXPRESS

Ready-to-use, floor-smoothing, fast-curing cement mortar

Description

SCREED 60 EXPRESS is a ready-to-use (simply mixing with water), fast-curing and low shrinkage cement mortar, suitable for indoor and outdoor installations, applied prior to laying the final floor covering. It is characterized by high initial and final strength, very good adhesion to the substrate and excellent workability. Provides a leveled and durable surface that can be covered shortly after application. Suitable for applications up to 60mm 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 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:	cement mortar
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 the degree of condensation
Compressive strength (EN 13892-2*):	
• 24 h:	> 17 N/mm ²
• 28 days:	> 30 N/mm ²
Flexural strength (EN 13892-2*):	
• 24 h:	> 4 N/mm ²
• 28 days:	> 7 N/mm ²

Shrinkage

(EN 13454-2*):

- 28 days: 0.40 ± 0.1 mm/m

Adhesion strength

(EN 13892-8*):

- 28 days: > 1.5 N/mm²

Wear resistance:

9.9 cm³/50 cm², A12

(EN 13892-3, Bohme test)

Reaction to fire:

(EN 13501-1)

Euroclass A1_{fl}

Foot traffic:

after 12 h

Overcoat time:

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

Pot life

about 60 min

*at a temperature of 23±2°C and relative humidity 50±5%, depending on the degree of condensation.

Directions for use

1. Substrate

The substrate must possess structural integrity and it must be dry, free from rising damp, dust, grease, loose materials or other contaminants that may affect the adhesion of SCREED 60 EXPRESS.

2. Application

Pour gradually a 25kg bag of SCREED 60 EXPRESS into 1.9 liters of water, and keep stirring for at least 5 minutes until a mix with semi-dry consistency is formed. The use of a low speed mixer (300 rpm) is recommended. SCREED 60 EXPRESS is applied according to the general practices used in conventional cement floors. The mixed material is spread over the prepared substrate using screed guides and then it is tamped down with a strip thus proper condensation is ensured before leveling and smoothing with a trowel, in order to obtain the desired final result.

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For an application thickness range of 10-60mm to non-absorbent substrates, such as floors made of 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 (fresh on fresh). Mixing ratio of the ADIPLAST bonding layer: Cement : sand : ADIPLAST : water = 1 : 1 : 0.5 : 0.5 p/v.

For an application thickness range of 10-40 mm on absorbent cement substrates, 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 (fresh on fresh). Mixing ratio of the ADIPLAST bonding layer: Cement : sand : ADIPLAST : water = 1 : 1 : 0.5 : 0.5 p/v.

For an application thickness range of 40-60mm on absorbent cement substrates, it is recommended to properly saturate the substrate with water before the installation of the new cement mortar.

Consumption

Approx. 18 kg/m²/cm of fresh mortar layer thickness, depending on the degree of condensation.

Packaging

25kg 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 totally dry.
- Suitable for constructing floors with 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. Classified as irritant.
- Please consult the safety instructions 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_{fl}

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 AND MORTARS

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