

BASIC SF 25

Economic self-levelling, polymer-modified cementitious screed

Description

Basic SF 25 is a self-levelling, polymer-modified, cement-based mortar used for flooring applications. It forms a smooth, durable surface suitable for layers 1-10 mm thick. Used on a large scale to achieve an economical and high-quality surface. Certified according to EN 13813 and classified as CT-C25-F6.

Fields of application

Prepare smooth and even interior concrete, mortar, or terrazzo floors, before laying finishing materials like ceramic tiles, carpets, parquet, vinyl tiles, etc.

Consumption

Approx. 1.65 kg/m²/mm of layer thickness.

Packaging

Basic SF 25 is supplied in 25 kg paper bags.

Shelf life – Storage

12 months from production date if stored in original, unopened packaging, in places protected from moisture

Precautions

- During the application and initial setting/ hardening of Basic SF 25, the surface must be protected from quick water loss due to the high temperature, UV radiation, or wind.
- Expansion joints should be placed at every 25 m², in a maximum of 5x5 m grid layout.
- Do not add cement, gypsum, lime, or other binders to the Basic SF 25 mix.
- Temperature during application should be at least +5°C.
- Mixture that has started to harden should not be used.
- Basic Fly SF 25 contains cement and reacts alkaline with water, so it is classified as an irritant.
- Please consult the directions for safe use and precautions written on the packaging before use.

Direction for use

1. Substrate: The substrate must be dry, stable, free of dust, grease, loose particles, etc. Primarily, the surface is primed with the acrylic primer Fly PRIMER. Product application follows once the primer has completely dried (after approx. 2 h). Primer consumption: 200-300 g/m².
2. Application Basic SF 25 is gradually added into 5.50 6.00 l of water under continuous stirring until a homogeneous, lump-free, low-viscosity mass is formed.
3. The mixture is left for about 3 min. to settle and is then stirred again.
4. A low-speed electric mixer (approx. 300 rpm) is recommended for mixing.
5. The mortar is poured onto the primed substrate in one layer and is spread to the desired thickness with a large metal notched trowel, squeegee, etc.
6. As soon as the product has self-leveled, it must be rolled immediately with a suitable spiked roller to release all the air retained within its mass.
7. Following the completion of its application and after the required drying time has elapsed, Basic SF 25 should be covered or adequately protected with a floor overlay (tiles, plastic flooring, resin coating, varnish, etc.). For greater layer thickness up to 30 mm, the use of basic SF 3-30 is recommended.

Technical data

Form	Cementitious powder
Color	Gray
Water demand	5.00-5.5 / Sacks
Application thickness	From 1-10 mm
Dry mortar density	1.40 ± 0.10 kg/l
Compressive strength	> 25.00 N/mm ²
Flexural strength	> 6.00 N/mm ²
Adhesion strength	> 2.00 N/mm ²
Setting shrinkage:	max. 0.40 mm/m
Pot life	45-60 minutes at 20°C

