



Technical datasheet

FLY SF 3-30

Fast-setting, self-leveling, polymer-modified cementitious screed

Description

Fly SF 3-30 is a self-leveling, polymer-modified, cement-based mortar used for flooring applications. It forms a smooth, durable surface suitable for layers 3-30 mm thick.

Certified according to EN 13813 and classified as CT-C30-F7-AR0.5 .

Fields of application

Smoothing and leveling of concrete, screeds, terrazzo, and surfaces covered with ceramic tiles before installing floor coverings, such as tiles, moquettes, plastic or wooden floors, marble, natural stone, etc.

- As a final floor coating in basements, attics, warehouses, etc.
- Suitable for floors with underfloor heating. • Ideal for fast applications due to its fast-setting property.
- Appropriate for indoor applications

Technical data

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|-----------------------|---------------------------|
| Water demand | 5.00-5.5 / Sacks |
| Application thickness | From 3-30 mm |
| Dry mortar density | 1.40 ± 0.10 kg/l |
| Compressive strength | > 30.00 N/mm ² |
| Flexural strength | > 7.00 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 |

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 FLY SF 3-30 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, FLY SF 3-30 should be covered or adequately protected with a floor overlay (tiles, plastic flooring, resin coating, varnish, etc.).



Construction Chemicals

Precautions

- For application to floors with underfloor heating, it is recommended that expansion contraction joints be cut every 25-30 m² of surface and filled with the appropriate elastic materials.
- During the application and initial setting/ hardening of FLY SF 3-30 , the surface must be protected to prevent quick water loss due to high temperature, UV radiation, or wind.
- Do not add cement, gypsum, lime, or other binders to Fly SF 3-30.
- Temperature during application should be at least +5°C.
- Mixture that has started to harden should not be used.
- Due to cement content, Fly SF 3-30 reacts with water forming alkaline solutions and thus is classified as an irritant.

Consumption

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

Packaging

FLY SF 3-30 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