



Technical datasheet

FLY SF 1-10

Self-leveling, polymer-modified cementitious screed

Description

Fly SF 1-10 is a self-leveling, polymer-modified, cement-based mortar used for flooring applications. It forms a smooth, durable surface suitable for layers 1-10 mm thick.

Certified according to EN 13813 and classified as CT-C30-F10.

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.

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	> 30.00 N/mm ²
Flexural strength	> 10.00 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 1-10 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 1-10 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 FLY SF 3-30 is recommended.



Construction Chemicals

Precautions

- During the application and initial setting/ hardening of FLY SF 1-10, 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 FLY SF 1-10 mix.
- Temperature during application should be at least +5°C.
- Mixture that has started to harden should not be used.
- FLY SF 1-10 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.

Consumption

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

Packaging

FLY SF 1-10 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