

Technical Data Sheet.

casufloor FS – Alpha levelling compound

Product description

casufloor FS is a levelling compound based on Alpha - hemihydrate and is designed for domestic and commercial interior use.

casufloor FS is composed of calcium sulphate binders, mineral aggregates and additives to improve the technical properties.

casufloor FS is ideal as a flowing filler in a layer thickness of 2 - 5 mm and as a levelling compound in a thickness of approximately 10 mm. It is not suitable for wet rooms.

> Technical data and properties

Standard	CA-C30-F7 as per EN 13813
Yield as per standard	ca. 650 l/t ca. 130 m ² /t at 5 mm applied thickness ca. 1.5 kg/m ² at 1 mm applied thickness
Compressive strength	≥ 30.0 N/mm ²
Flexural strength	≥ 7.0 N/mm ²
Modulus of elasticity	18 kN/mm ²
Water requirement	app. 6.5 l per 25 kg bag
Grain size	0-0,5 mm
Reaction to fire	Building material class A 1, not combustible

> Logistics and safety

Commercial form	bags
Shelf life	casufloor FS can be stored in bags in dry and protected conditions for 6 months from the date of production.
Safety notes	See safety sheet

> CE-marking



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02
CASEA-114 630
EN 13813: 2002, CA-C30-F7
Calcium sulfate screed material for use internally in buildings

Reaction to fire	A1
Release of corrosive substances	CA
pH Value	> 7
Compressive strength	C30
Flexural strength	F7

Information

This product data sheet is intended to give advice to the best of our knowledge; it replaces any previous product data sheets. The contents of this product data sheet are not legally binding.

Substrates

casufloor FS is used with all types of screed with appropriate base preparation. The base always has to be solid, stable, clean and dry. Any materials that may affect adhesion should be removed using appropriate measures. If the base has rising damp it should be sealed. Highly permeable bases should be primed, twice if necessary. Non-permeable bases should be primed with a quartz-based adhesive primer. Wooden bases should be fixed against moving by additional screwing.

Processing and processing time

casufloor FS is used with appropriate adjusted mixing pumps. It is essential to observe the manufacturer's instructions when starting up the machine. It is important to ensure the right consistency – the spread diameter should be 24 – 26 cm (Vicat ring). It is advisable to repeat the tests during the casting process. The area to be treated should be adjusted to the processing times for the flowing screed.

casufloor FS can also be mixed by hand with an electric mixer. Shake the material into a clean container containing clear water, leave for 1 – 2 minutes to settle and then mix to form a lump-free, free flowing mass.

Pour **casufloor FS** onto the floor in strips and support the movement of the flowing screed using a spiked roller, a mortar or a trowel. The processing time is more than 30 minutes from mixing to smoothing / levelling. On wooden bases a minimum thickness of 5 mm and an additional reinforcement with fibres is (till 25mm long) advised. The good levelling can be worsen by fibres.

For further information,

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Please note

- When applying the flowing screed protect from draughts, direct sunlight and heat.
- Ventilate rooms well once it is possible to walk on the screed
- The flowing screed should have a coating
- Do not add foreign substances
- Do not use at temperatures below +5°C or above +35°C of the substrate or the ambient temperature
- The generally recognised rules of the art should be taken into account during application
- Ensure the area is sealed where there is a risk of spray water
- Disposal instructions: GISCODE: CP 1; water hazards class: 1