

Technical data sheet.

casufloor C30/F6 - Calcium sulphate flowing screed

Product Description

casufloor C30/F6 is a factory-mixed, laboratory-monitored flowing screed based on calcium sulphate for interior residential and office construction. casufloor C30/F6 is composed of calcium sulphate binders, mineral aggregates and additives to improve the processing properties. Due to its excellent thermal conductivity, this product is ideal for underfloor heating. Not suitable for wet rooms. For layer thicknesses from 30 mm.

> Technical data and characteristics

Standardisation	Calcium sulphate flowing screed CA-C30-F6 as per DIN EN 13813
Compressive strength	$\geq 30.0 \text{ N/mm}^2$
Flexural strength	$\geq 6.0 \text{ N/mm}^2$
E-modulus	approx. 18 kN/mm^2
Yield as per standard	approx. 550 l/t approx. $12.5 \text{ m}^2/\text{t}$ with 40 mm application thickness approx. 22 l wet compound per 40 kg bag
Consumption	approx. 18 kg/m^2 with an application thickness of 1 cm
Water requirement	approx. 6.5 - 7 l per 40 kg bag
Thermal conductivity (table value)	$\lambda_R = 1.40 \text{ W/mK}$
Grain size	0– 2 mm
Fire performance	Construction material class A1, non-flammable

> Logistics and safety instructions

Form of delivery	Bag and silo
Storage	casufloor C30/ F6 in bags can be stored for 9 months from the production date if stored dry and protected. Can be stored for 3 months in site silos.
Safety instructions	See safety data sheet

> CE labelling



CASEA GmbH
Pontelstraße 3
99755 Ellrich
Germany

02
CASEA-114 610
EN 13813: 2002, CA-C30-F6
Dry screed mortar for indoor floor constructions

Fire performance	A1
Release of corrosive substances	CA
pH value	> 7
Water vapour permeability	NPD
Compressive strength	C 30
Flexural strength	F 6
Impact sound insulation	NPD
Sound absorption	NPD

*NPD (no performance determined) = Characteristics not determined since not relevant

Information

This product data sheet contains advice to the best of our knowledge and replaces all previous product data sheets. Its content, however, is not legally binding

Surfaces

casufloor C30/F6 is used for the production of bonded screeds, screeds on separating layers and screeds on insulating layers (often referred to as flowing screeds). The unfinished floor must always be cleaned, concrete and mortar residues must be removed. In order to avoid strongly varying installation thicknesses, larger unevenness must be levelled in advance.

Processing and Processing Time

casufloor C30/F6 can be processed with all common flowing screed machines. When starting up the machine, it is essential to observe the manufacturer's instructions. Attention must be paid to the correct consistency, the slump-flow is 21 - 23 cm (Vicat ring). Repeated checks during pouring are recommended. Hoses should be pre-wetted and pre-lubricated, calcium sulphate binder can be used for this purpose.

In the case of bonded screed, the substrate must be sufficiently dry and must be pre-treated with a suitable bonding primer. Separation layers or the coverings of insulation layers must be laid in such a way that the screed cannot run under the overlap. If necessary, individual rooms shall be kept for work in sections. Attention must be paid to the height of the installed flowing screed. After the desired installation height has been reached, the screed has to be levelled immediately with the buffing bar both longitudinally and transversely. The resulting movement contributes to good removal of air inclusions as well as to the desired levelling of the screed.

casufloor C30/ F6 can also be mixed by hand with an electric stirrer for small areas. The processing time is approx. 45– 60 min from mixing to buffing.

For further information, please contact:

CASEA GmbH
Pontelstraße 3
99755 Ellrich
Germany
T +49 36332 89-100
F +49 36332 89-202
info@casea-gips.de
casea-gips.de

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Important Notes

- Protect the screed from draughts during pouring and for 2 days afterwards
- Please observe the structure of the insulation layers according to the standard
- Do not admix foreign material
- Observe standard thicknesses
- Do not process at a subsurface temperature or ambient temperature below +5 °C or above +35 °C, respectively.
- Observe the generally accepted codes of practice during processing.
- Ensure sealing in areas where there is a risk of splashing water
- Information for disposal: GISCODE: CP 1; water hazards class: 1; German regulation regarding safety at work: not applicable