

TECHNICAL DATASHEET: **CEMFORT 200**

PUMPABLE FINE FLOORING SYSTEM FOR USE IN DOMESTIC AND COMMERCIAL BUILDINGS.

PRODUCT DESCRIPTION

CEMFORT 200 is a pumpable self-smoothing screed formulated from High Alumina Cement, aggregates, supplementary binders and chemical admixtures. It is a pre blended dry powder, designed for use in domestic and commercial buildings.

APPLICATIONS

CEMFORT 200 is designed for use as a thin levelling screed. Application at thickness between 0 and 15 mm in one operation. Under normal conditions foot-step traffic onto the floor is possible after 1-2 hours and the final heavy loading after 1-3 days due to conditions on site. CEMFORT 200 can be applied with an automatic mixer pump.

SUBFLOOR

CEMFORT 200 should be laid on a well prepared subfloor. Dust, laitance, grease or other weak materials must be removed. The semi-hardened material may be easily formed or cut allowing any necessary adjustments to be made.

TECHNICAL DATA

Water volume 17 % - 50 % R.H. - temperature during processing 20 ° C

Flexural Strength:	5.5 N/mm ² after 28 days
Compressive Strength:	28 N/mm ² after 28 days
Adhesion to subfloor:	> 3 N/mm ²
VOC-value:	Free from Ammonia and Formaldehyde
Particle size:	Max. 0,3 mm
Free shrinkage:	< 0,05 ‰ measured at 55% RH
pH-value:	Approximately 11,5
Flowability:	160 mm
Water stability:	Water stable, (Expansion under water < Free shrinkage)
Material consumption:	Approx. 1,5 kg per mm thickness/m ²

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PROCESSING DATA (at 20 °)

Water admixture: 19 - 20 % (4,75 - 5 litre / 25 kg bag)

Flow ring test: 160 mm.

Min application temperature: +6°C

Dry powder Density: approx. 1,4 g / cm³

Wet density: > 1,9 g / cm³

Open time: 10 - 15 minutes depending on temperature

Curing time: 1 - 2 hours for foot traffic

24 hours for light traffic

1 week for full loading

Storage: 6 months in dry conditions. max. 20°C and 50 % RH

PERFORMANCE:

Preparations of subfloor: The surface to be treated must be hard, sound and free from surface contamination, all dust should be vacuumed from the surface. Concrete laitence and old coatings should be removed mechanically e.g. by shot blasting, scabbling or scarifying. Concrete contaminated by oil or grease may require flame gunning and/or treatment with a proprietary degreaser.

Mixing: CEMFORT 200 can be mixed in an automatic mixer pump. Only use clean potable water at a rate of 4,75 - 5,0 liter per 25 kg bag. The mixed material should be used within 15 minutes.

Cleaning: All tools and equipment should be cleaned promptly with water.

Application: Door threshold, stairs, drains and gullies should be isolated with foam barrier strips. Larger areas should be divided into bays. Normal width of the bay is 8-12 metres, depending on the pump capacity.

Health and safety: Hazardous - contains cement, cement moist is corrosive. Protect eyes and prevent prolonged skin contact, keep out of reach of children.
For further information refer to Health and Safety data sheet.

LABELLING:

Health and safety:  Hazardous, contains cement, quarts sand.

Transportation: Not a classified product

GENERAL:

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine himself whether the products are suitable for use. The characteristics given here are average values, obtained at 20°C and 50 RH, and were drawn up according to the current state of technology. As of publication, the present technical descriptions will replace all previous ones.

CE – DECLARATION OF CONFORMITY

The manufacturer:

**CEMART B.V.B.A.
MAATHEIDE 76^E
3920 LOMMEL
BELGIUM**

Declares, in conformity with the guidelines imposed by the Technical Committee CEN/TC 303 "Floor screeds and in-situ floorings in buildings",

That:

FLOOR SCREED

CEMFORT 200

Manufactured in the production unit mentioned above,

Complies with the determinations set in the registered standard NBN EN 13813 and complies with the conditions for CE-marking in conformity with attachment ZA 1.1 of the registered standard EN 13813.

The methods and procedures for certification and evaluation of conformity were applied as mentioned in the tables ZA 2 and ZA 3.2.

The products were subjected to a first test and they are subjected to an internal product control in conformity with the standard EN 13813.

Lommel, 06/10/2008


CEO
Peter Van den Brande



**Cemart bvba
Maatheide 76e
B-3920 Lommel**

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**EN 13813 CT-C30-F6
Self levelling
Cement-based floors**

Fire resistance	NPD
Secretion of corrosive elements	CT
Water Permeability	NPD
Vapour permeability	NPD
Pressure resistance	C25
Flexural strength	F3
Wear resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Heat resistance	NPD
Chemical resistance	NPD

NPD = No Performance determined