

Cemstyle 440



COLOURED PUMPABLE FLOORING SYSTEM FOR DOMESTIC & COMMERCIAL APPLICATIONS

PRODUCT DESCRIPTION

CEMSTYLE 440 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 decorative finishing. **CEMSTYLE 440** can be produced with standard grey cement or even with white cement. If it is produced with white cement it can be pigmented to different colours with very clear and intensive tones as well as light and discrete colours. Application at thickness between 2 and 30 mm in one operation. It is designed to be used as a top layer. 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. It is strongly recommended to protect the surface with **CEMPUR Lacquer**.

APPLICATIONS

CEMSTYLE 440 is designed for use as a toplayer of concrete subfloor in commercial domestic and industrial buildings. **CEMSTYLE 440** can be applied with an automatic mixer pump. **CEMSTYLE 440** does not contain casein or other protein bearing additives that develop ammonia during the curing process.

The flowability in the material is very good and gives a smooth surface. The semi-hardened material may be easily formed or cut allowing any necessary adjustments to be made.

TECHNICAL DATA

Flexural Strength:	8 N/mm ² after 28 days
Compressive Strength:	35 N/mm ² after 28 days
Adhesion to subfloor:	> 3 N/mm ²
VOC-value:	Free from Ammonia and Formaldehyde
Particle size:	max 1 mm
Free shrinkage:	< 0,06 ‰ measured at 55% RH
pH-value:	Approximately 11,5
Water stability:	Water stable, (Expansion under water < Free shrinkage)

PROCESSING DATA (AT 20 °)

Water admixture:	18 - 19 % (4,5 - 4,75 litre / 25 kg bag)
Flow ring test :	150 - 155 mm.
Min application temperature:	+6°C
Dry powder Density:	approx. 1,5 g / cm ³
Wet density:	> 1,9 g / cm ³
Open time:	10 - 15 minutes depending on temperature
Curing time:	1 - 3 hours for foot traffic 24 hours for light traffic 1 week for full loading
Storage:	6 months in dry conditions



Technical information

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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.

PRIMING

The properly prepared substrate should be primed with a waterbased epoxy primer and broadcast with dry silica sand whilst the primer is still wet. Allow the primer to cure and remove all the loose sand.

MIXING

CEMSTYLE 440 can be mixed in an automatic mixer pump. Only use clean potable water at a rate of 4,5 - 4,75 litre 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, quartssand

LABELLING: TRANSPORTATION

Not a classified product.

Protect the Environment:

Please dispose of empty containers or surplus product in accordance with local authority regulations. The product should not be disposed of with household waste. Do not allow material to enter drains or sewage systems.

Disclaimer:

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 what products are suitable for use. Accordingly, no liability will be accepted by IBC Ltd.

January 2007



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