

PRODUCT DATA SHEET

Floor Levelling Compound

Thin layer floor levelling compound

DESCRIPTION

Floor Levelling Compound (FLC) is a one component, polymer modified cement based levelling mortar that is simply mixed with water.

USES

Floor Levelling Compound is used as a thin layer levelling and scraping mortar on concrete floors prior to the application of carpet, vinyl, tiles, parquet, etc.

CHARACTERISTICS / ADVANTAGES

- Good adhesion to concrete surfaces
- Can be applied to damp concrete
- Is compatible with most floor coverings
- Thin layer applications are possible
- Easy to use, just add water

PRODUCT INFORMATION

Packaging	25 kg bags
Shelf Life	Six (6) months from date of manufacture when stored as stated.
Storage Conditions	Store in unopened, original containers in cool dry conditions below +25°C.
Appearance / Colour	Grey powder
Density	2.1 kg/litre when mixed

TECHNICAL INFORMATION

Compressive Strength	~25 MPa at 28 days
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APPLICATION INFORMATION

Mixing Ratio	Max. 3.75 litres of clean water for a 25 kg bag of Floor Levelling Compound
Consumption	4m ² per 25 kg bag at 3 mm thick (approx.)
Layer Thickness	2-5 mm
Ambient Air Temperature	Application temp: Minimum +5°C / Maximum +30°C
Pot Life	15 - 30 minutes depending on temperature

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Floor Levelling Compound is not intended as a finished floor surface and should only be used as a floor levelling preparation under carpet, vinyl, etc.
- Rapid drying out due to sun or wind must be avoided and in these situations Floor Levelling Compound should be covered with polythene or wet hessian after application.
- Floor Levelling Compound will not bridge “live” cracks in concrete floors.
- Floor Levelling Compound should not be used on floors suffering from rising damp.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces must be clean and free from any loosely adhering particles or contaminants such as dirt, dust, grease, oil, etc. Cement laitance should be removed from the concrete surface by sandblasting, scabbling etc., to allow for maximum adhesion. Any existing paints, coatings or floor coverings must be removed.

Priming: Prime the floor with a tie coat of Floor Levelling Compound. Add sufficient Floor Levelling Compound to clean water to achieve a thick slurry consistency then brush or roller apply onto the floor. Apply Floor Levelling Compound screed while the primer is tacky.

MIXING

- Pour the required amount of water into a suitable mixing container and slowly add the powder while mixing continuously with a mixing paddle attached to a slow speed (500 rpm) electric drill.
- Thoroughly mix until a uniform, lump free consistency is achieved. A minimum mixing time of 3 minutes is recommended.

APPLICATION

- The mixed material should be poured onto the prepared and primed floor surface while the primer is still tacky. If the primer has dried out it should be re-applied to ensure maximum adhesion.
- The compound should then be screeded out and trowelled to the desired finish.

CLEANING OF TOOLS

Hands and skin should be cleaned with warm soapy water. Clean all tools and equipment with water immediately after use. Hardened Floor Levelling Compound can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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