

PRODUCT DATA SHEET

Casco® Floor Expert MBS

Moisture Block Surfacer



DESCRIPTION

Residual moisture blocking and self levelling of the substrate in one step. 2-component levelling compound suitable on mineral substrates to suppress moisture before laying floor coverings and parquet. Casco® Floor Expert MBS has reduced CO₂ footprint of -40%. For indoor use only.

USES

For residual moisture blocking and substrate levelling in one step. Layer thickness of 3-10 mm:

- on concrete and cement screeds
- suitable for underfloor heating
- suitable for castor wheels (EN 12 529)
- for indoor use only

FEATURES

- solvent-free according to TRGS 610
- fast drying time
- water resistant
- self levelling
- highly synthetic-resin modified
- reduced CO₂ footprint of -40%

SUSTAINABILITY

For the product's assessment in the different building criteria systems, see [MiljöAppen](#). Here you will also find information about EC1, M1, link to the building product declaration, safety data sheets etc. The MiljöAppen, can also be reached by entering www.sikamiljoapp.se in your web browser.

CERTIFICATES AND TEST REPORTS

- EC1 plus for low emission

PRODUCT INFORMATION

Packaging

- 23,5 kg paper bag Casco® Floor Expert MBS powder
- 6 kg plastic canister Casco® Floor Expert MBS liquid

Shelf life

6 months from production date in unopened packages. Opened packages should be closed immediately and used up as soon as possible.

Storage conditions

Store in cool, dry and frost free conditions.

APPLICATION INFORMATION

Consumption

~4,5 kg/m² at 3 mm layer thickness

Layer thickness

3-10 mm

Ambient air temperature

not below +5°C

Mixing ratio

full 23,5 kg bag of powder with full 6 kg canister of liquid

Substrate temperature	not below +5°C
Substrate moisture content	<ul style="list-style-type: none"> ▪ up to 99% RH on unheated cement screed ▪ up to 90% RH on cement screed with floor heating ▪ up to 99% RH on concrete (testing necessary) ▪ up to 90% RH on concrete with floor heating (testing necessary)
Pot Life	~30 minutes at +20°C
Waiting time	<p>Ready for covering:</p> <ul style="list-style-type: none"> ▪ 3 mm after ~12 hours for all relevant coverings ▪ 10 mm after ~24 hours for all relevant coverings <p>All values are approximate and apply to +20°C and 65% rel. humidity.</p>

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Surface treatments or any "friable" areas of the sub-floor must be mechanically removed and the sub-floor repaired with Casco Floor Expert leveling compounds as required.
- Old, loose and weak levelling layers should be removed mechanically.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

SUBSTRATE PREPARATION

Prime normal absorbent substrates such as:

- cement screeds
 - concrete
- with Casco VD Ready Fix.

MIXING

Mix full 23,5 kg bag of powder with full 6 kg canister of liquid.

- Stir resp. shake Casco® Floor Expert MBS liquid before use. Pay attention to bottom set in the canister.
- Using a clean receptacle, add Casco® Floor Expert MBS powder to Casco® Floor Expert MBS liquid to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended.
- After letting it stand for approx. 1-3 minutes, mix again thoroughly.
- Do not mix more material than can be handled within 30 minutes.

APPLICATION

- The minimum layer-thickness is 3 mm.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using suitable Casco Floor Expert product.
- In the case of higher layer-thickness, contact with vertical structures should be avoided by putting in a perimeter isolating strip.
- If a second coat is to be applied, prime with Casco VD Ready Fix or Casco VD Universal Primer (1:1) after the first coat has dried.
- Protect curing Casco® Floor Expert MBS levelling layers from high ambient temperatures, direct sunlight and draughts.
- If grinding of Casco® Floor Expert MBS after drying is necessary, use a paper or net with grit-size 60.
- Contact to metal like water-bearing pipes must be avoided (e.g. sealing of pipe penetrations), because especially galvanised steel pipes have no sufficient corrosion protection.
- **Due to its waterproofing properties, the levelling compound has only very limited absorbency. Therefore, not every floor adhesive is suitable. For best solution for each type of covering take notice of our recommendation on the Casco website of Casco® Floor Expert MBS under downloads.**

APPLICATION METHOD / TOOLS

- Recommended applicator: Raket TKB R4 at a layer thickness of 3 mm

CLEANING OF EQUIPMENT

Clean tools in water immediately after use.

LOCAL RESTRICTIONS

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

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of CASCOFE 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 or on the website www.CASCOFE.eu.

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