

PRODUCT DATA SHEET

Casco Floor Expert VD Moisture Block

MOISTURE BLOCKING PRIMER FOR CONCRETE WITH AN RH OF UP TO 96%. ENABLES INSTALLATION OF FLOOR COVERINGS IN NEW BUILDINGS MUCH EARLIER.

DESCRIPTION

The VD Moisture Block is a primer that can be used on concrete with an RH up to 96% which means that installation of floor covering can be done much earlier. The primer is a waterbased dispersion and does not have the draw back of the conventional epoxy-primers used for the same purpose.

USES

- On concret and cement with an RH up to 96%
- For interior use only
- Only for floors without underfloor heating
- Concrete
- Cement screeds
- Cementbased levelling compound

CHARACTERISTICS / ADVANTAGES

- Block moisture up to 96%
- Enables installation of floor coverings in new buildings much earlier.
- Ready to use – one component
- Short drying time – priming and levelling in one day

PRODUCT INFORMATION

Composition	Polymeric dispersion
Packaging	10 L rectangular bucket
Colour	Green
Shelf life	12 months in unopened package
Storage conditions	Not below + 5 °C or above +30 °C
Density	1.2 kg/l

APPLICATION INFORMATION

Mixing Ratio	Shall not be mixed with water, apply undiluted
Consumption	Approx. 3,4 m ² /L (2 layers). The finished application must cover the substrate completely without any voids or pin holes to ensure moisture vapor suppression.
Substrate Temperature	Not below +5°C, Best conditions between +15°C - +20°C
Substrate Moisture Content	Moisture up to 96% RH
Waiting Time / Overcoating	<ul style="list-style-type: none"> ▪ Apply 2 layers with 15-30 minuts between. ▪ Ready for foot-traffic (after back roll): approx. 1 - 2 hours. ▪ Ready for levelling (after back roll):approx. 2 hours.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Requirements of substrates

Before applying Casco Floor Expert VD Moisture Block, check the following;

- Subfloors must be porous, smooth, sound, clean and free of any contaminants which may hinder adhesion.
- Check porosity by dropping water onto the surface, if water forms droplets without absorbing within 2 minutes, the surface is non porous and is probably contaminated with sealers, curing compounds, abatement chemicals or oil. Such invisible contaminants must be removed completely by mechanical methods such as shot blasting.
- Concrete must support a minimum adhesion strength of (1 MPa).
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with water resistant underlayments as required.
- Moving joints must be levelled up to the final surface.
- Old water-soluble adhesives should be removed completely, old water-resistant adhesives should be mechanically removed as far as possible. The complete mechanical removal of cutback (i.e. grinding, sanding, blasting) can be hazardous as old cutback adhesive may contain asbestos. Do not sand or grind adhesive residue.
- To ensure an ideal, dust-free surface, vacuum the substrate properly using an industrial vacuum cleaner. The subfloor surface must be visually dry to ensure a suitable adhesion of the vapor barrier.
- Do not use moisture mitigation systems on gypsum based substrates.
- Do not use VD Moisture Block where hydrostatic pressure conditions exist or where moisture vapor emissions exceed the recommended levels.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

MIXING

Casco Floor Expert VD Moisture Block is stirred or shaken before use. Do not add any water.

APPLICATION

Recommended method of working

- Apply Casco Floor Expert VD Moisture Block using a suitable tool such as a fine roller. Make sure to avoid making puddles.
- Apply evenly across the area. Avoiding applying too fast to allow VD Moisture Block to saturate the concrete surface.
- After a waiting time of approx. 15 - 30 minutes, fully saturate the nap roller and begin to back roll cross-wise to the prior application. Make sure to evenly distribute the primer over the entire surface, avoid puddles.
- Approx. 2 hours after applying the second layer (at approx +20°C floor temperature) the substrate is ready for applying a Casco Floor Expert levelling compound or smoothing compound.
- Clean tools in water immediately after use.

FURTHER INFORMATION

Not approved for underfloor heating

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.

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.

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.

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LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco 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.casco.eu.

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