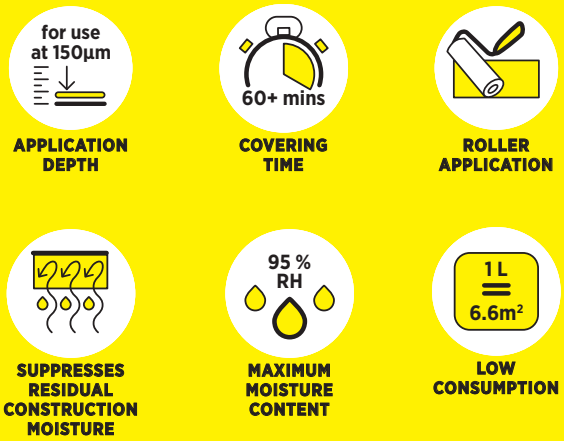
weberfloor MVS

Water based moisture vapour suppressant

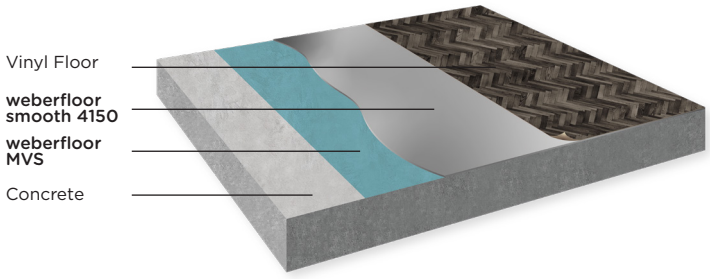
- Suppresses residual construction moisture up to 95% RH
- Allows faster application of final floor finishes
- Suitable for application to cement based substrates



About this product

weberfloor MVS is a water based moisture vapour suppressant, designed to suppress the passage of residual construction moisture up to 95% RH as measured with a hood hygrometer.

When applied at a minimum of 150µm wet film thickness (two coats of 75µm) over concrete or traditional sand & cement screeds, **weberfloor MVS** allows for accelerated project time lines by allowing a **weberfloor** smoothing compound to be installed, prior to the final floor finish.



Features and benefits

- Rapid drying – suitable to be over coated in as little as 60 minutes
- No need to prime before over coating with **weberfloor** screeds and smoothing compounds
- Tinted to assist in achieving full coverage
- Water based, pre-mixed formulation
- Easy to apply by roller
- Allows a substrate at 95% RH to be treated as if it was 75% RH
- Accelerates project timelines

weberfloor MVS

Uses

For supressing residual construction moisture in:

- Concrete
- Traditional sand & cement screeds

Suitable for covering with:

- All **weberfloor** screeds and smoothing compounds

Accelerating project timelines before the installation of moisture sensitive final floor finishes such as:

- Vinyl/ Linoleum
- Carpet
- Laminate flooring

Constraints

- Not to be left uncovered by a suitable weberfloor product
- Humidity levels of the substrate must be checked with a hood hygrometer to ensure suitability prior to application of **weberfloor MVS**
- Not suitable for substrates without a structural damp proof membrane – **weberfloor MVS** is only designed to supress residual construction moisture
- Substrates must have a surface strength ≥1 MPa
- Not suitable for use in industrial areas

Preparation

weberfloor MVS can be applied on substrates such as concrete and traditional sand & cement based screeds. All surfaces must be mechanically sound, dry and clean, i.e. free from dirt, dust, grease or other contamination or coatings. Any laitance must also be removed from concrete. Surfaces should have a minimum pull-off strength of 1 MPa.

Where a substrate is dense or non-porous, an application trial should be conducted to ensure a bond strength of ≥1 MPa is achieved between the substrate and **weberfloor MVS** using a suitable pull-off test to satisfy the product is suitable for use. If this is not achieved, please contact Weber for assistance.

New concrete or screeds must be left for a minimum of 7 days before application of the membrane and checked by hood hygrometer, in accordance with BS 8204 and any other standards relevant to the final floor finish to be installed, to ensure that relative humidity levels are 95% or below. If levels are above 95% the substrate must be allowed to dry further or, if humidity levels are 98% or below, **weberfloor DPM** may be used as an alternative.

Application

Stir **weberfloor MVS** well before use. **weberfloor MVS** is supplied ready mixed and should not be diluted.

weberfloor MVS must be applied in a minimum of 2 coats, with each coat applied at a minimum wet film thickness of 75µm, to give a total minimum wet film thickness of 150µm. Each coat should be tested with a wet film thickness gauge to ensure minimum thickness is achieved. It is essential that a pinhole free finish is achieved. If a pinhole free finish is not achieved than a further coat of **weberfloor MVS** must be applied.

Coverage is approximately 13.2m^2/L/coat. Material used should never be less than this though surface regularity and porosity may mean that more material is required.

Apply **weberfloor MVS** to the substrate using a short pile roller. Roll the product in 1 direction, ensuring that a minimum wet film thickness of 75µm is achieved. Wait until the first coat is touch dry, at 20°c this will take approximately 30 minutes. Site conditions such as temperature, humidity and the porosity of the substrate may impact the drying. Refer to the data table for further guidance.

Apply a second coat of **weberfloor MVS**, rolled at 90° to the first coat, to a minimum wet film thickness of 75µm. Ensure that full coverage is achieved, with a pinhole free finish.

Allow the second coat to dry to a tack free finish. This will take approximately 30 minutes at 20°c depending on site conditions. If required, to ensure a pinhole free finish or adequate depth, a third coat can be applied once the second coat is dry. A total of 3 coats is the maximum permissable and more should not be used.

Overlay

Once the final coat of **weberfloor MVS** has dried apply a suitable **weberfloor** smoothing compound, such as **weberfloor smooth 4150** or **weberfloor smooth rapid 4160**. Further priming will not be required. Please see the appropriate product datasheet for more information regarding **weberfloor** smoothing compounds.

weberfloor MVS must be overcoated with a **weberfloor** smoothing compound within 24 hours. If this is not achieved, then apply a further thin coat of **weberfloor MVS** before overlaying. If over coating this further coat within 24 hours is not achieved, please contact Weber for assistance.

Packaging

weberfloor MVS is supplied in 14L plastic tubs. Each container of **weberfloor MVS** will cover approximately 92.4m^2 when applied in 2 coats of 75µm. Substrate porosity and surface regularity will greatly impact the coverage and the above values may vary.

Storage and shelf-life

When stored unopened in a cool, dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

Poor storage conditions or contamination may have an adverse impact on the product.

Health and safety

Please see latest material safety datasheet via our website for information.

Technical data

Test	Standard	Result
Coverage (based on two coats of 75µm wet film thickness)		6.6m²/L†
Water vapour transmission rate	BS EN ISO 7783:2012	5.7 g/m²/day *
Water vapour flow rate G	BS EN ISO 7783:2012	0.0022 g/h *
Diffusion-equivalent air layer thickness Sd (m)	BS EN ISO 7783:2012	3.9m *
Water vapour resistance factor µ	BS EN ISO 7783:2012	24,938µ *
Liquid water permeability	BS EN 1062-3:2008	0.018 kg/m² $h^{0.5}$ *
Adhesive bond	BS EN 1542:1999	1.3 MPa
Application temperature		10-25°C
Time between coats @ 20°C		30 minutes
Time for 2 coats to dry @ 20°C		60 minutes
Time between coats @ 10°C		40 minutes
Time for 2 coats to dry @ 10°C		80 minutes

† Theoretical coverage. Porosity and surface regularity of substrate will affect coverage. If required, an application trial can be conducted to ascertain site specific coverage rates.
* When applied in accordance with Weber instructions

Saint-Gobain Weber
Dickens House, Enterprise Way,
Maulden Road, Flitwick,
Bedford, MK45 5BY

+44 (0) 1525 718877
technical@netweber.co.uk
www.uk.weber
@SGWeberUK

REV. 17/08/22