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PRODUCT DATA SHEET

ARDEX MVS 95

One Component, Residual Moisture Vapour Suppressant

Features

- Suppresses residual construction moisture in concrete slabs and cement/sand screeds
- Suitable for use on subfloors up to 95%RH
- Apply ARDEX Levelling and Smoothing Compounds direct without priming in as little as 2 hours
- Ready for use, resealable and re-useable
- Suitable for use on heated screeds
- Water based, low V.O.C. Technology



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ARDEX MVS 95

One Component Residual Moisture Vapour Suppressant

DESCRIPTION

ARDEX MVS 95 is a ready for use, one component, water based, dispersion coating supplied in pre-gauged 12kg units. ARDEX MVS 95 is supplied pigmented blue to indicate uniform coverage and is waterproof when fully cured.

ARDEX MVS 95 is designed to suppress residual construction moisture in cementitious substrates including suitably prepared power floated concrete and cement/sand screeds. ARDEX MVS 95 is designed for use as a two coat system. When fully dry, two coats of ARDEX MVS 95 produces a membrane which can accommodate hygrometer readings up to 95% RH, and allows the subsequent application of ARDEX Levelling and Smoothing Compounds without priming.

ARDEX MVS 95 can be used on heated screeds that have been installed and commissioned in accordance with BS 8204 Part 1, taking into account the recommendations in Part 4 of BS EN 1264. It is not suitable for use on direct to ground substrates without a functioning, structural damp proof membrane.

Please refer to the ARDEX DPM 1 C or ARDEX DPM 1 C R datasheet for applications where no structural damp proof membrane exists or the relative humidity is above 95% RH.

MOISTURE TESTING

Moisture testing should be undertaken in accordance with BS 8203: 2001+ A1:2009.

SUBSTRATE PREPARATION

Prior to application, the surface must be hard, surface dry, sound and free of dust, laitance, dirt and other barrier materials which are likely to impair adhesion such as paint, lime coatings, plaster and adhesive residues. Remove all surface water. Highly polished power floated concrete or concrete curing agents, admixtures, surface hardeners and the residues of these products can impair adhesion. Where doubt exists, or the compatibility is unknown, a trial adhesion test with ARDEX MVS 95 should be carried out before work commences. Any incompatible curing agents, admixtures, surface hardeners or water sensitive materials such as adhesive residues or other surface contamination must be removed by grinding or contained shot blasting as appropriate.

MOVEMENT JOINTS

Any joints or cracks in the floor subject to movement, such as structural movement joints, must not be bridged with the ARDEX MVS 95. These joints should be treated with a flexible, impervious jointing system before ARDEX MVS 95 is applied. Structural movement joints should be brought through to the final floor finish with a suitable movement joint detail.

Cracks present in the screed or concrete substrate, that are not subject to movement but could affect the integrity of the ARDEX MVS 95, must be fully stitched and sealed with the appropriate ARDEX product, sand keyed whilst still wet and be allowed to cure, with any loose sand vacuumed away before the ARDEX MVS 95 is applied.

APPLICATION

STIR WELL BEFORE USE. Do not add water or dilute ARDEX MVS 95, it is ready for use.

Do not use this product when the air temperature is below 10°C and/or the substrate temperature is below 5°C.

Apply an even coat with a suitable short pile roller in one direction over the appropriate area (see table below).

Depending on the film thickness applied, and the porosity/absorbency of the subfloor and the ambient conditions, ARDEX MVS 95 may be dry in as little as 30 minutes at 20°C. These times may be extended at lower temperatures and/or in high humidity conditions.

When the first coat is touch dry, apply the second coat at right angles to the first. It is essential that the applied ARDEX MVS 95 is a continuous film and is free from pinholes, cavities or thin patches, otherwise additional applications may be necessary.

Allow to dry to a tack free film. This will take approximately 1 hour at 20°C in good drying conditions.

ARDEX MVS 95 should be overlaid with 3mm, to a maximum 10mm, of an ARDEX Smoothing Compound to protect the film and to provide a uniform absorbent layer for subsequent floorcovering application with an appropriate ARDEX Flooring Adhesive.

ARDEX MVS 95 must not be trafficked between coats and before the levelling and smoothing compound is applied. No more than 24 hours should be allowed to elapse.

COVERAGE

<i>% RH (Max relative humidity measured)</i>	<i>Minimum dry film thickness required (microns)</i>	<i>12kg maximum unit coverage per 2 coat application (m²)</i>
90%	150	36
95%	200	27

Do not exceed the maximum coverage stated.

To achieve a total dry film thickness of e.g.150 microns, two coats, each 150 microns thick as a wet film, will need to be applied.

NOTE: Coverage will depend upon the absorbency and texture of the substrate. The coverage figures stated assume a smooth, lightly shot blasted, power floated concrete slab as a substrate.

To ensure that the correct film thickness is achieved mark out the required area, either 36m² or 27m², and ensure that half the contents of the unit is spread uniformly over the area per coat.

The applied wet film thickness can be checked with a suitable wet film thickness gauge.

PACKAGING

ARDEX MVS 95 is supplied in a 12kg container and is ready to use. It can be roller applied directly out of the container. Part used containers should be resealed after use and the contents will remain usable for at least 6 weeks if stored under good conditions.

STORAGE

Store in dry conditions out of direct sunlight & between 5°C and 30°C. Protect from frost.

ARDEX MVS 95 has a storage life of not less than 12 months in the original unopened containers.

CLEANING TOOLS

All tools should be cleaned with water before the ARDEX MVS 95 dries.

SMOOTHING AND LEVELLING

All ARDEX Levelling and Smoothing Compounds can be laid directly onto the dry ARDEX MVS 95 between 2 and 24 hours after application, depending on drying conditions, without the need to prime. If this timescale is exceeded, apply a further application of ARDEX MVS 95 prior to the levelling compound.

It is absolutely essential that trafficking of the dried ARDEX MVS 95 is avoided and the surface protected from any contamination prior to application of the subsequent levelling compound. Apply the required ARDEX Levelling Compound to a minimum of 3mm, maximum 10mm, and allow to dry.

NOTE: For the latest technical or health and safety information on this product, consult the current technical or health and safety datasheet online at www.ardex.co.uk

TECHNICAL DATA

Density at 20°C:	1.1
Open Time:	20 minutes at 20°C

Walkability and over-coating can be achieved in as little as 1 hour at 20°C and 65% RH.

Drying time will be extended under cool and/or humid conditions.

Colour:	Blue
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NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations.

TECHNICAL ADVICE HELPLINE
01440 714939

ARDEX online:
www.ardex.co.uk