



Suppress



SINGLE COMPONENT
TWO-COAT MOISTURE VAPOUR SUPPRESSANT

Single Component, Two-coat Moisture Vapour Suppressant

TECHNICAL DATASHEET

- Water based, solvent free formulation
- Single component
- Up to 95% RH protection
- Removes the need to prime
- Resealable bottle, eliminating waste
- Pigmented orange for coverage control



5L

INFORMATION

UltraFloor Suppress IT is a single component, two-coat rapid drying moisture suppressant primer membrane. It has a water based, solvent free formulation and is designed to suppress residual construction moisture – up to 95% relative humidity in cementitious subfloors (when tested with a properly calibrated surface hygrometer in accordance with BS 8203). Thus allowing earlier installation of floor coverings. The product is pigmented orange enabling easy identification and coverage control in applied areas.

USES

Specifically designed for use over a variety of substrates including concrete floors, sand/cement screeds and most absorbent construction materials. It is not suitable for use with very dense substrates. When the product is to be used with underfloor heating please contact UltraFloor Technical Services for further information.

NOTE: UltraFloor Suppress IT should not be used in projects where hydrostatic pressure is a concern. In such cases the use of pressure relief drainage and/or external tanking systems must be the primary method of protection against moisture.

SUBFLOOR PREPARATION

All substrates must be prepared to leave a sound, clean and surface dry subfloor. Oils, grease and other contaminants that may hinder adhesion must be removed. This includes release agents used in concrete curing processes as well as laitance, contamination and any weak surface materials. The surface strength of the substrate should be greater than 1.5N/mm² in accordance with BS 8204-6 Part 7.2.

All bases MUST contain a structural damp proof course or construction membrane and rough, uneven or damaged concrete or sand/cement screeds must be smoothed or repaired prior to the application of UltraFloor Suppress IT.

JOINTS IN SUBFLOORS

The nature of joints in the subfloor must be ascertained. If joints are designed to allow movement at perimeters, between bays of subfloor they must not be overcoated with UltraFloor Suppress IT. If joints are considered stable they may be infilled with UltraFloor DPM IT bulked out with clean sharp sand to a slump resistant viscosity. Similarly hairline cracks and hollows may be infilled in the same manner.

PRIMING

No priming required.

APPLICATION

Air temperature should be a minimum of 10°C throughout application and curing. Floor

temperature should be a minimum of 5°C above the dew point to ensure there is no moisture present at the subfloor surface which will hinder adhesion. Dew point is linked to atmospheric humidity and temperature. Most modern electronic moisture testing kits provide this function. The product should be stored at temperatures between 5°C and 30°C overnight prior to use. This ensures that the product will be at a suitable viscosity for mixing and will have optimum pot life.

Shake the bottle to mix the contents immediately prior to use, do not add water or dilute UltraFloor Suppress IT, it is ready to use.

Ensure that you do not use this product when the temperature is below 10°C and/or the substrate temperature is below 5°C.

Apply the 1st coat using a suitable pre-coated roller (ideally a lamb's wool roller) in one direction at a coverage rate of 150g/m², ensuring that the material is worked well into the substrate.

Apply 2nd coat, when the first coat is dry, approximately 20-30 minutes at 20°C, perpendicular to the first coat at a coverage rate of 150g/m². Allow to dry, approximately 30-60 minutes at 20°C.

When applied to absorbent surfaces, the membrane can be absorbed into the substrate leaving a subdued shine. In such instances or where pinholes, cavities and weak patches are present a further coat may be required.

When dry it is essential that a pinhole free coating is achieved and to maintain a coverage rate of 150g/m² per coat, as a two-coat application you must mark out the required area in accordance with the coverage rate section.

UltraFloor Suppress IT must be overlaid within 12 hours of the membrane curing to provide an absorbent surface for the suitable application of adhesives. If the membrane is not covered within 12 hours of curing a further coat will be required and allowed to dry before proceeding with the application of the underlayment.

SUBSTRATES

UltraFloor Suppress IT is suitable for use on most cement based subfloors. UltraFloor recommend consultation with subfloor preparation equipment suppliers to ensure correct equipment for the substrates is selected.

Concrete & Power Floated Concrete: Mechanically abrade to remove all surface hardeners and additives. Make dust free.



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Cementitious Screeds: Lightly abrade to remove any contamination from other trades and to remove any weak upper surface materials. Make dust free.

CURING AND DRYING

All curing and drying times are based on good site conditions i.e. an air temperature of 20°C and good ventilation. Allow between 20-30 minutes for the 1st coat and approximately 30-60 minutes for the 2nd coat. Sites that are cold, humid or damp or in areas where airflow is poor, will prolong drying and curing times, so allowances should be made accordingly. Keep the subfloor completely clear of other trades and foot traffic until cured. The product should cure to provide a glossy orange coloured film. Inspect to ensure a pinhole free film has been attained.

COVERAGE RATES		
Application	Coverage Per Unit	Consumption Per 100m ² Area
2 coat application	16.5m ²	6 units

Coverage is for guidance only based on a smooth, non-absorbent subfloor. Substrate texture and absorbency can affect consumption variations. The above table is based upon the coverage rate of 150ml/m² per coat. To achieve the correct coverage rate, it is recommended the area is calculated prior to application and then the correct volume is applied uniformly to the area. For large application areas it is advisable to mark out the area to be covered by each unit i.e. 16.5m².

CLEANING

Any tools and equipment can be cleaned using warm water immediately after use.

STORAGE

To be kept out of direct sunlight and should be stored at temperatures between 5°C-30°C at all times. If allowed to freeze, UltraFloor cannot guarantee product performance.

SHELF LIFE

A minimum of 12 months when stored between 5°C-30°C.

DISPOSAL

Once mixed up the product will cure to give an inert material and does not require special disposal. Uncured material should be disposed of accordingly (see relevant UltraFloor product material safety datasheet).

HEALTH, SAFETY AND ENVIRONMENTAL

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full material safety data sheet relating to this product is available from instarmac.co.uk.

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001, ISO 14001 and ISO 45001. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how projects are used. All products are sold subject to our conditions of sales, copies of which may be obtained upon request.

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