

ES600

MOISTURE VAPOUR SUPPRESSANT



KEY BENEFITS SUMMARY

- Guarantees the early satisfactory laying of floor coverings to sand/cement and concrete bases where moisture content is up to 95% RH
- Rapid drying - Approximately 1 hour at 20°C
- Easy to apply – primerless application and single component, no mixing required
- Water based, low VOC compliant
- Suitable for heated concrete and sand cement screeds (provided the surface temperature does not exceed 27°C in accordance with BS 8203 and BS 5325)



PRODUCT INFORMATION

Description

ES600 is a ready for use, one part, water-based moisture vapour suppressant.

Usage/Purpose

A surface moisture vapour suppressant developed to suppress residual construction moisture in cementitious subfloors including power floated concrete and sand/cement screeds.

Colour

Dark grey emulsion when wet black when dry

Packaging

ES600 is supplied in units of 5 kg.

Standards

All aspects of the installation must be in accordance with the requirements of BS 8204, BS 8203 (Installation of Resilient Floor Coverings) or BS 5325 (Installation of Textile Floor Coverings) and supplementary specifications.

Accreditations

- EC1
- The tested product complies with the requirements of BREEAM (2008); EN 13999

Moisture Testing

(in accordance with British Standards 8203)

- Hygrometer readings must be taken and recorded so that the correct system can be selected.
- Concrete curing compounds and over-trowelled concrete will extend the time taken for the hygrometer to reach equilibrium.
- Subfloor measurement readings of up to 95% RH (measurable) can be accommodated with the system.

Conditioning

Condition the contents by storing for 24 hours at +15°C to +25°C as cooler temperatures will increase viscosity and make application more difficult. Higher temperatures will speed the chemical reaction and therefore reduce working pot life.

Preparation

- The surface must be firm, sound, clean, dry and free of any other contaminants liable to prevent penetration into the substrate or adhesion to the surface.
- All dust and plaster deposits must be removed and vacuumed.
- Remove all surface water. Highly polished surfaces or concrete containing a curing agent or surface hardener may require shot blasting.
- Power floated concrete must be abraded or shot blasted to provide a good key for adhesion.

Priming

- In most circumstances no priming is required.
- For further information please contact tremco illbruck Technical Services.

Application

Note: drying times are based on ambient conditions, and will be slower in cold and/or wet conditions. Good ventilation is essential.

- Shake the bottle to mix contents immediately prior to use.
- Pour into a rectangular bucket or paint tray.
- ES600 must be applied in two coats.
- 1st Coat: Pre-wet a roller in the ES600.
- Apply the 1st coat in one direction ensuring that the worked material is well into the substrate.

2nd Coat: When the 1st coat is touch dry, approximately 15-30 minutes at 20°C, apply the 2nd coat in a direction at right angles to the 1st coat.

- It is essential that a pin-hole free coating is achieved and to maintain a coverage rate of 32 m² per 5kg per coat (i.e. 5 kg unit covers 16 m² @ 2 coats). The overall dry film coating thickness should be a minimum of 150 microns.
- Allow to dry to a tack-free film. At 20°C the drying time will be approximately 30 to 60 minutes on the first coat and 60 to 120 minutes on the 2nd coat.
- Cover with a minimum 3 mm thickness of an appropriate TREMCO smoothing compound to provide an absorption medium for any subsequent adhesive.
- It is not always necessary to cover ES600 with a smoothing compound as certain TREMCO adhesives may be applied directly.
- In all cases it is advisable to apply the adhesive between 1 and 2 days after the final coat of ES600.
- For further information contact tremco illbruck Technical Services.

Cleaning

Clean tools with clean water.

Please note

Not recommended for application onto Gypsum based screeds or dusty surfaces.

Health & Safety Precautions

Safety Data Sheet must be read and understood before use.

Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details), or via local and national distributors.

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

TECHNICAL DATA

| PROPERTY | RESULT |
|---------------------|--|
| Composition | ES600 is a modified synthetic polymer emulsion |
| Density (at +25°C) | 1.0 |
| Chemical Resistance | Consult technical services |
| Coverage | 2 coats will cover up to 16 m ² per 5 kg unit |
| Drying Time | 1 hour at 20°C |
| Storage | Store between +5°C and +40°C in shaded dry conditions Protect from frost Rotate stock using old material first |
| Shelf Life | 6 months when stored in its original unopened containers |

Guarantee/Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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