

Technical Data Sheet

# ES101

## TREMBlock DPM GT

### One Coat Universal DPM

28-03-2025 / V 1

#### Description

ES101 TREMBlock DPM GT is a 2-component, solvent free, epoxy damp proof membrane for damp cementitious substrates of Relative Humidity up to 100% (according to BS 8203, surface-dry).



#### Features and Benefits

- Accommodates up to 97% RH
- Solvent free
- Very cost effective single coat application reducing time on site
- Suitable with underfloor heating
- 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)

#### Usage Purpose

ES101 TREMBlock DPM GT has been developed specifically for suppressing residual moisture in concrete and sand/cement subfloors and provides a guaranteed surface damp proof membrane with a single coat liquid application.

#### Shelf Life

12 months when stored in its original unopened containers.

#### Certificates & Approvals

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.

#### Technical Data

| Composition   | Water Resistance | Mix Ratio       | Hardening Time   |
|---|------------------|-----------------|--|
| ES101 TREMBlock DPM GT is a flexibilised epoxy, which contains wetting aids and penetrants to maximise adhesion, flow control agents to minimise pinholes and graphene particles which provide an extra barrier to moisture vapour. | Excellent        | 3.4:1 by weight | In +20°C: Light foot traffic: After 14 hours Full chemical cure: 5-7 days Overcoat time: 14-24 hours |

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### Technical Characteristics

|                               |  |
|-------------------------------|--|
| Pot Life In +20°C             | 35 minutes   |
| <b>Application Conditions</b> |  |
| Storage                       | Store between +5°C and +40°C Rotate stock using old material first |

### Protective Equipment

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application. For further information see our Material Safety Data Sheet.

### Mixing

ES101 TREMBlock DPM GT hardens by a chemical reaction. It is essential that the mixing instructions are strictly adhered to:

Mix Part A for 1 minute using a slow speed drill and helical mixing blade before transferring Part B to Part A container.

Using a slow speed drill fitted with a two bladed propeller (NOT A CEMENT PADDLE), mix the contents for 2-3 minutes to obtain uniformity in colour and consistency. Ensure all materials from the base and sides of the containers are mixed in thoroughly to ensure a uniform cure.

Do not mix more complete units than can be used within the working pot life

### Priming

In most circumstances no priming is required.

### 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.

N.B. Concrete curing agents and admixtures and the misuse of these products can impair adhesion. Where doubt exists, or compatibility is unknown, a trial adhesion test with ES101 TREMBlock DPM GT should be carried out and Tremco CPG UK Limited's Technical Department must be consulted.

Remove all surface dust, etc., by industrial vacuum cleaning. Machine scarifying or shot blasting will be necessary for removal of incompatible curing agents, admixtures or other stubborn surface contamination. Shot blasting is also recommended on lightly polished surfaces.

### Application

ES101 TREMBlock DPM GT is so easy to apply that it could be over extended; therefore, measure out areas of 33 m<sup>2</sup> (up to 92% RH) or 25 m<sup>2</sup> (up to 97%) to ensure correct coverage for a 1 x 10 kg unit and to give the correct coating thickness of approximately 250-350 microns (dependent on system selected).

A practical coverage of approximately 25 m<sup>2</sup> - 33 m<sup>2</sup> per 10 kg unit is expected, dependent on application and porosity of the concrete subfloor.

Apply the mixed ES101 TREMBlock DPM GT One Coat by means of a 2 mm x 5 mm notched trowel. While the ES101 TREMBlock DPM GT is still wet, flatten out the serration ridges with a long handled short pile roller, initially pre-wetted in

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the ES101 TREMBlock DPM GT. Replace or re-notch worn trowels to ensure that the correct thickness of ES101 TREMBlock DPM GT is maintained.

The thickness must be no less than 250-350 microns in order to ensure that excess moisture vapour will not permeate the membrane. It is essential that the applied coating is continuous and free of pinholes or thin patches, otherwise an additional patching coat will be necessary.

Allow to cure for 16 hours at +15°C.

Check that the correct number of units were used on the area coated.

ES101 TREMBlock DPM GT can be used as an effective Radon barrier. For more information, please contact Tremco CPG UK Limited Technical Services.

### Coverage

Approximately 20-24 m<sup>2</sup> per 10kg unit depending on method of application and condition of substrate to give a dry film thickness of approximately 250-350 microns per coat.

### Tool Cleaning

Clean tools, etc., with AW421 Heavy Duty Cleaner (flammable).

### Please Note

Important. SX300 & SX300 NA must be applied within 24 hours (@15°C or 18 hours@18°C) following the application of ES101 TREMBlock DPM GT, ES300 & ES400. Higher temperatures will reduce the overcoat window. (Please refer to our Technical Department in this instance). CS100 Epoxy Primer must be used at all times with Tremco water-based smoothing compounds.

### Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, 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 CPG UK Limited Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### Health And Safety Precautions

In case of contact with eyes, rinse immediately for a long period of time and consult a physician. In case of contact with skin clean immediately with water and soap. For further information see our Material Safety Data Sheet.

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### Technical Service

Tremco CPG UK Limited 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.