

Technical Data Sheet

# SX300

## TREMSmooth HP

### High Performance Latex Underlayment

18-11-2025 / V 3

#### Description

SX300 TREMSmooth HP is a free flowing, two-part general-purpose smoothing underlayment for interior applications.



#### Features and Benefits

- Easy to apply free flowing smoothing compound
- Moisture Tolerant: can be used for pre-smoothing under a Tremco DPM
- Excellent adhesion to a wide range of common flooring substrates, including concrete, sand/cement screeds, flooring grade asphalt, Ceramic tile, non-soluble old adhesive residues, TREMCO surface DPM's †, etc.
- Apply feather edge up to 8mm in one application (Can be applied up to 30mm incorporating a 3mm Clean, dry, Granite chipping.
- Suitable for use on floors with underfloor heating
- Protein free

#### Usage Purpose

SX300 TREMSmooth HP is used to level uneven internal subfloors to provide a smooth surface, prior to the install of the floor finish. SX300 TREMSmooth HP is a free flowing, self-smoothing, protein free, latex levelling compound with outstanding adhesion, flexibility and moisture resistance. These properties ensure that SX300 TREMSmooth HP can be used on most Internal subfloors without priming, including ceramic tiles, bitumen and Tremco DPM's †.

SX300 TREMSmooth HP can also be used to encapsulate mesh under tile heating cables/mats on concrete and sand & cement screeds, prior to the fixing of ceramic floor tiles. SX300 TREM Smooth HP can be applied from a feather edge up to at least 8mm in a single application or up to 30mm incorporating clean, dry 3mm Granite chippings.

#### Areas Of Application

SX300 TREMSmooth HP is a two part general purpose smoothing underlayment for interior applications. SX300 TREMSmooth HP is semi levelling and is specifically designed for the preparation and smoothing of interior subfloors prior to the application of a liquid applied damp proof membrane and receiving a floor covering.

#### Packaging

Part A: 20 kg plastic lined reinforced paper sack (Not recyclable)

Part B: 4.3 kg polythene jerry can (Can be recycled)

#### Available Colour

Part A: Grey powder

Part B: White liquid

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### Shelf Life

6 months when stored as recommended in original unopened packaging. High temperatures and humidity will lead to reduced shelf life.

### Storage

Store off the ground in frost free, dry, shaded conditions, out of direct sunlight and draughts.

Shelf Life: 6 months when stored as recommended in original unopened packaging. High temperatures and humidity will lead to reduced shelf life.

### Certificates & Approvals

Complies with HTM 61 requirements.

Declaration of Performance : SX300-2014702

### Additional Information

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Moisture Testing (in accordance to British Standards 8203)	Accreditations	Coverage	Compressive Strength @ 28 days	Flexural Strength @ 28 days	Protection on Completion:
All aspects of the installation must be in accordance with the requirements of British Standard BS8203:2017 Installation of Resilient Floor Coverings – Code of Practice or BS5325:2021-TC – British Standard Code of practice for installation of textile floor coverings, BS 8204 - Screeds, bases and in-situ floorings and supplementary specifications. When installing moisture sensitive floor finishes British Standard BS8203:2017 Installation of Resilient Floor Coverings – Code of Practice recommends that a moisture test should be undertaken prior to installation.	Complies with HTM 61 requirements.	4.5m <sup>2</sup> @ 3mm	21.9 N/mm <sup>2</sup>	7 N/mm <sup>2</sup>	Ensure the smoothing compound is not subject to strong sunlight and excessive draughts during the first 24 hours of curing as this may lead to cracking and crazing. Prevent contamination by following trades (e.g. plastering), including water spillage.

## Technical Characteristics

Composition	Cementitious powder and liquid latex dispersion.
Thickness	Application 1-30 mm (Up to 8mm without aggregate)
Cure Time (At 20°C)	Between 2-4 hours for foot traffic and 8-12 hours for application of damp proof membrane, floor covering and loading.
Pot Life In +20°C	20 minutes
Tensile Strength	28 days 1.4 N/mm <sup>2</sup>
Storage	Store in dry, shaded conditions between +10°C and +35°C
Cure Time	at 20°C Between 2-4 hours for foot traffic and 8-12 hours for application of damp proof membrane, floor covering, and loading.

## Application Conditions - Additional

Tremco CPG UK Limited has a network of nationwide approved installers and provides full technical assistance on specific site applications.

## Preparation

The surface of the subfloor must be clean, sound, surface dry and free from dust, plaster residue, grease, oil, paint, polish and any water-soluble or loose friable material and any other contaminants (coating, laitance, etc.). Any surface hardener or curing compounds should be thoroughly removed prior to the application of SX300 TREM Smooth HP.

For full details of surface preparation contact Tremco CPG UK Limited Technical Services.

## Mixing

SX300 TREM Smooth HP should be mixed at a ratio of one bag of power to one bottle of Latex liquid.

Multiple bag mixes may affect the product performance.

Shake the latex liquid and pour into a clean mixing container. Gradually add SX300 TREM Smooth HP, powder to the SX300 TREM Smooth HP latex liquid. Continually mixing with a slow speed drill and paddle. Mix the contents for 2-3 minutes to obtain uniformity in colour and consistency.

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### Priming

In some cases it may be necessary to use a primer, such as where a subfloor is particularly absorbent. Priming of the subfloor will also reduce pin-holing in the smoothing compound finish.

### Application

Apply SX300 TREM Smooth HP at floor temperatures above 5°C. Once fully mixed SX300 TREM Smooth HP should be poured directly onto the prepared surface in a ribbon. Spread the SX300 TREM Smooth HP with a trowel or pin-leveller.

Whilst still wet the effective use of spike rolling can reduce visible trowel marks. Maintain the wet edge to reduce uneven merging of different units.

### Coverage

Thicknesses of feather edge up to 8 mm can be applied in a single application dependant on surface profile. An average thickness of 3 mm will provide a coverage rate of 4.5 m<sup>2</sup> per mix.

Thicknesses of 8 mm to 30 mm can be achieved by incorporating an equal volume of clean, dry, 3 mm granite chippings. Coverage is approximate and is dependent on the condition of the substrate and method of preparation.

### Tool Cleaning

Clean all tools and mixing containers immediately after use with water before the material sets.

### Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. Product contains Portland cement, therefore, avoid contact with skin and eyes and do not breathe dust. For full recommendation, refer to safety data sheet.

### Please Note

Not suitable for use in areas that may be subject to high point loading.

### Guarantee / Warranty

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

### Health And Safety Precautions

Safety data sheet must be read and understood before use.

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. Product contains Portland cement: avoid contact with skin and eyes, do not breathe dust. Refer to safety data sheet, for full recommendations.

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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.

† : SX300 TREM Smooth HP must be applied within the overcoat window.  
Application Notes Important! SX300 TREMSmooth HP must be applied within 24 hours (@15oC or 18 hours @18oC) following the application of ES101 TREMBlock DPM GT. Higher temperatures will reduce the overcoat window. In the event that the overcoat window is missed, Prime the cured ES101 TREMBlock DPM GT with Tremco CS100 Acrylic Primer (Up to 100m<sup>2</sup>) and allow it to dry (approximately 2-4 hours) as per the instructions and the data sheet Or alternatively, for fast track or smaller areas (Up to 65m<sup>2</sup>) use Tremco CS190 Gritty Primer (approximate dry time is 30-60 minutes)  
††: Check with Tremco CPG UK Limited technical services for appropriate surface preparation.

### Drying Time

At 20°C SX300 TREM Smooth HP can be trafficked between 2-4 hours for foot traffic. At 8-12 hours SX300 TREM Smooth HP can be overlaid with a Tremco Surface Damp Proof membrane or the Final floor covering.

Note! Ambient conditions can affect the setting, hardening and drying times of SX300 TREM Smooth HP. At lower temperatures these maybe extended, whilst at higher temperatures they may be shortened. Thicker applications of SX300 TREM Smooth HP will require a longer time to cure.

Note! SX300 TREM Smooth HP is not a wearing finish and should be protected if delay of the floor finish installation occurs.