

Technical Data Sheet

SX302

TREMSmooth MT

Moisture Tolerant Latex Underlayment

09-05-2025 / V 1

Description

SX302 TREMSmooth MT is a moisture tolerant cement based latex underlayment.



Features and Benefits

- May accept foot traffic after approximately 90 minutes
- Ready to receive floorcoverings in 8 hours
- Moisture tolerant for use under surface damp proof membranes
- Suitable for use on floors with underfloor heating
- Easy to mix and apply and a smooth surface is produced
- Protein free - suitable for use in biologically sensitive areas

Usage Purpose

SX302 TREMSmooth MT has been developed for use in domestic, light commercial and light industrial environments as an underlayment, prior to application of carpet, wood and vinyl flooring.

Packaging

Part A: 20 kg plastic lined reinforced paper sack (Not Recyclable)
Part B: 3.9 kg polythene jerry can (Can be recycled)

Available Colour

Part A: Grey Powder
Part B: White Liquid

Shelf Life

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.

Storage

Store in dry, shaded conditions between +5°C and +25°C

Certificates & Approvals

Declaration of Performance: SX302-2014070

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Additional Information

Standards	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.	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)	Foot traffic after 90 minutes and 8-12 hours for application of damp proof membrane, floor covering and loading.
Pot Life In +20°C	20 minutes
Compressive Strength	25 N/mm ²
Flexural Strength	6 N/mm ²
Storage	Store in dry, shaded conditions between +5°C and +25°C
Application Instructions	Apply SX302 TREMSmooth MT at floor temperatures above 5°C. Once fully mixed SX302 TREMSmooth MT should be poured directly onto the prepared surface in a ribbon. Spread the SX302 TREMSmooth MT 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.
Cleaning	Clean all tools and mixing containers immediately after use with water before the material sets.
Mixing Instructions	SX302 TREMSmooth MT should be mixed at a ratio of one bag of powder 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 SX302 TREMSmooth MT, powder to the SX302 TREMSmooth MT 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.

Application Conditions - Additional

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

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. Do not breathe dust. Contains Portland cement. Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns. For full recommendation, refer to safety data sheet.

Priming

When applying SX302 Tremsmooth MT onto a Tremco DPMIn some case it may be necessary to use a primer, such as where a subfloor is particularly absorbent. prime with either CS100 acrylic primer or CS190 Gritty primer. Priming of the subfloor will also reduce pin-holing in the smoothing compound finish. For more information see Priming Technical Note.

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Areas Of Application

SX302 TREMSmooth MT is ideal for use in domestic, light commercial and light industrial environments as an underlayment, prior to application of carpet, wood and vinyl flooring.

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 SX302 TREMSmooth MT.

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

Application

SX302 TREMSmooth MT can be hand mixed in single units at the ratio of 20 kg powder to 3.9 kg of the supplied latex liquid. Do not add extra liquid as long term performance may be impaired. After applying the material onto the primed floor, simply use a hand trowel to spread. Application thickness is 1-7 mm.

Drying Time

At 20°C SX302 TREMSmooth MT can be trafficked after 90 minutes hours for foot traffic. At 8-12 hours SX302 TREMSmooth MT 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 SX302 TREMSmooth MT. At lower temperatures these maybe extended, whilst at higher temperatures they may be shortened. Thicker applications of SX302 TREMSmooth MT will require a longer time to cure.

Note! SX302 TREMSmooth MT is not a wearing finish and should be protected if delay of the floor finish installation occurs.

Coverage

Thicknesses of 1mm 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 m² 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.

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.

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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.

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