Technical Data Sheet

SX600

High Performance Rapid Set Smoothing Compound - No Ammonia

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Description

SX600NA is a protein free, moisture tolerant smoothing underlayment that can be used over old adhesive residue in interior applications. Additionally, there is no need to prime if being applied to a TREMCO DPM. The product has a walk on time of 2 hours and can receive floor coverings after 4 hours.



Features and Benefits

- Walk on after 2 hours install floor coverings after 4 hours
- Suitable for use over most adhesive residues
- Moisture tolerant – can be used under a DPM
- Suitable for use over underfloor heating systems

Usage Purpose

SX600NA has been designed for levelling uneven subfloors and is well suited to areas that require low odour products. It can be used under a DPM or over underfloor heating systems.

Packaging

Part A: 20 kg plastic lined reinforced paper sack
Part B: 5 kg polythene bottle

Available Colour

Part A: Grey powder
Part B: White liquid

Shelf Life

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

Storage

Store in dry, shaded conditions between +10°C and +35°C

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Technical Characteristics

Composition		Cementitious powder and liquid latex dispersion.
Cure Time (At 20°C)		Approximately 2 hours for foot traffic and from 4 hours for the application of a damp proof membrane, floor coverings and loading. SX600NA should not be applied in temperatures below 5°C.
Pot Life In +20°C		20 minutes Initial Set (Vicat) approx. 60 minutes. Final Set (Vicat) approx. 90 minutes.
Compressive Strength At 28d		Approx. 18 N/mm²

Preparation

Ensure all surfaces to be coated are clean, dry, frost free and free from grease, oil, dirt, dust, loose friable material and any other contaminants (coating, laitance, etc.). Any remaining adhesive residues should be checked to ensure that they are not water softenable and that they are hard, sound and have a sufficient cohesive strength to receive a screed. Any surface hardener or curing compounds should be thoroughly removed prior to the application of SX600NA.

On absorbent surfaces it may be necessary to damp down or prime the surface using CS150 Acrylic Primer.

SX600NA can be applied onto mechanically prepared metal and ceramic tile floors. It is also suitable for use onto stable asphalt and bituminous substrates. Some solvent-based adhesive residues such as gum resin/spirit/alcohol types may require priming.

Where rising damp is present in concrete or cement and sand screeds, it is recommended that a suitable surface damp proof membrane, such as ES100 is applied on top of the hardened SX600NA.

Prior to levelling wooden floors, screw down and firmly fix all loose boards. Where timber floors are sufficiently rigid but are uneven or worn, or where there is differential movement between floor boards, the technique is to pre-level the timber with SX600NA and allow to dry prior to screw fixing minimum 6 mm thick WBP plywood to receive resilient flooring or the appropriate thickness tile backing board to receive ceramic tiles or natural stone to provide a sound and stable base for the new flooring. In all cases sub-floor ventilation must be adequate to prevent deterioration and moisture movement.

Alternatively,for flooring grade plywood which is free from barriers to adhesion, conditioned to the ambient moisture content and rigidly fixed, SX600NA may be applied as a smoothing layer up to a maximum thickness of 6 mm. Allow to thoroughly dry prior to fitting the final floorcovering with a suitable water-based adhesive.

For Gypsum (Anhydrite Screeds), ensure that the screed has been applied, mechanically prepared and tested for moisture in accordance with the manufacturer’s recommendations. For guidance, the screed must contain less than 0.5% moisture content or 75% Relative Humidity. Gypsum based screeds can adversely react with cement containing materials such as levelling compounds, ceramic tile adhesives etc. The surface of the gypsum screed must be prepared to remove any weak layers or friable surface residues and an appropriate primer used to prevent the cement containing materials coming into direct contact with the gypsum screed. Therefore, surface preparation using the appropriate mechanised equipment, and priming, is required for the successful application of any cement based material to calcium sulphate based screeds. Any laitance, surface fines, etc. must be removed back to hard, dry, sound material prior to priming with two coats of CS175 epoxy primer

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

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Application

SX600NA should be applied directly after mixing by pouring a ribbon of material along the wet edge and then trowelled to form a smooth, even finish. The effective use of spike rolling can reduce visible trowel marks.

All aspects of the installation must be in accordance with the requirements of BS 8204 Screeds, bases and in-situ floorings, BS 8203 Code of practice for installation of resilient floor coverings and BS 5325 Installation of textile floor coverings. Code of practice, and supplementary specifications.

In some case it may be necessary to prime with CS150 Acrylic Primer for porous substrates or CS100 Epoxy Primer for non-porous substrates. Always check with the Tremco CPG UK Limited Technical Services.

Gradually add Part A to Part B, 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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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.

Coverage

Thicknesses of 1 mm to 12 mm can be applied dependent on surface profile, however for thicknesses above 8mm it is recommended that the product is bulked out with hard aggregate (please refer to Tremco CPG UK Limited Technical Department).

An average thickness of 3 mm will provide an approximate coverage rate of 5 m^2 per mix.

This will depend on the condition of the substrate and method of preparation (please refer to Tremco CPG UK Limited Technical Department).

Tool Cleaning

Immediately after use all tools and equipment should be cleaned with water. Cured material can be removed mechanically or by acid etching.

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.

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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.

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.

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