

SX600^{NA}

HIGH PERFORMANCE RAPID SET SMOOTHING COMPOUND – NO AMMONIA



KEY BENEFITS SUMMARY

- 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

PRODUCT INFORMATION

Description

SX600^{NA} 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.

Usage/Purpose

SX600^{NA} 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.

Colour

Part A: Grey powder
Part B: White liquid

Packaging

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

Availability

Via local and national distributors or direct from tremco illbruck (see bottom of leaflet for address and telephone details).

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.

Declaration of Performance

SX600 – 20180404

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

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 screeding.
- Any surface hardener or curing compounds should be thoroughly removed prior to the application of SX600^{NA}.
- On absorbent surfaces it may be necessary to damp down or prime the surface using CS150 Acrylic Primer.
- SX600^{NA} 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 SX600^{NA}.
- 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 SX600^{NA} 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, SX600^{NA} 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 full details of surface preparation contact tremco illbruck Technical Services.

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.

Priming

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 illbruck Technical Services.

Mixing

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.

Application

SX600^{NA} 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.

TECHNICAL DATA

PROPERTY	RESULT
Composition	Cementitious powder and liquid latex dispersion
Pot Life (at 20°C)	20 minutes Initial Set (Vicat) approx. 60 minutes Final Set (Vicat) approx. 90 minutes
Compressive Strength	28 days approximately 18 N/mm ²
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 illbruck 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 illbruck Technical Department).
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. SX600 ^{NA} should not be applied in temperatures below 5°C.
Storage	Store in dry, shaded conditions between +10°C and +35°C
Shelf Life	12 months when stored as recommended in original unopened packaging. High temperatures and humidity will lead to a reduced shelf life.

Protection on Completion

Ensure the screed is not subject to draughts during the first 6 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement.

Prevent contamination by following trades (e.g. plastering), including water spillage.

Cleaning

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

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Contract Application

tremco illbruck Limited has a network of nationwide approved installers and provides full technical assistance on specific site applications.

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.

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.

