

SX200

SELF-LEVELLING SMOOTHING COMPOUND



KEY BENEFITS SUMMARY

- Fast setting and drying - walk on after 2 - 4 hours under suitable conditions
- Rapid installation – 2000 m² per day for 7 mm thickness, under suitable conditions
- Protein free - will not harbour bacteria

PRODUCT INFORMATION

Description

SX200 is a fast drying, self levelling, pump applied underlayment, for levelling of concrete floors before the installation of floor coverings.

Usage/Purpose

Provides good resistance to impact, point loading and abrasion. Ideally suited to floors in office buildings, shops, schools, hospitals, airports, prisons and other public buildings.

Colour

Grey powder

Packaging

25 kg plastic lined reinforced paper sack

Application Thickness

4 - 40 mm

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.

Moisture Testing

(in accordance with British Standards 8203)

- Suitable for application on substrates with <75 % RH.
- It is recommended that a moisture test is conducted prior to the application of SX200. For further details or to arrange for a moisture test please contact tremco illbruck Technical Services.

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 surface hardener or curing compounds should be thoroughly removed prior to the application of SX200.
- Mechanical preparation, using an enclosed shot blasting machine may be recommended and should be followed by thorough vacuuming to remove all surface dust.
- Concrete and sand/cement screeds must be fully cured and incorporate an effective damp proof membrane. For full details of surface preparation contact tremco illbruck Technical Services.

Priming

- All surfaces must be primed with CS150 Acrylic Primer (porous substrates) or CS100 Epoxy Primer (non-porous substrates).

Mixing

- Mix at slow speed using an electric drill and paddle. Add approximately 4.5 to 4.8 litres of water to the mixing vessel and add the 25 kg of SX200 while mixing to ensure a smooth final mix, free from lumps. Do not add additional water as this will reduce the performance of the final screed.
- A 65 mm by 40 mm flow ring should be filled with pre-mixed SX200. Using a flow chart, a spread ratio of between 220 mm and 240 mm should be obtained to ensure that a correct mix is passing through the pump.

Application

- SX200 should be applied directly after mixing either by pouring a ribbon of material along the wet edge and then trowelled to form a smooth, even finish or by pumping directly onto the subfloor.
- Whilst still wet a spiked roller should be used to blend the flow lines together, working in a direction perpendicular to the pouring.
- Minimum thickness of SX200 should be 4 mm.
- For application over 8 mm, a 3 mm clean aggregate can be added to the mix at a ratio of 1:1.

- For thicknesses over 6 mm up to 40 mm prepare the surface with ES300 or ES400 Surface DPM blinded with a 1 - 2 mm sized dry silica sand/quartz at 2 kg/m².

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.

TECHNICAL DATA

PROPERTY	RESULT
Composition	A combination of natural sands, fillers and Portland cement
Pot Life (at 20°C)	Typically 20 - 30 minutes
Fire Resistance	EN13501-1 E
Impact Resistance	BS8204 Part 1 Cat: A
Temperature Resistance	+50°C max
Ultimate Compressive Strength	EN13892-2: 33 N/mm ²
Flexural Strength	EN13892-2: 8 N/mm ²
Shore D Hardness	88
Adhesion to C30 Concrete	28 Days: > 1 N/mm ²
Shrinkage	< 0.06%
Maximum Particle Size	1 mm
Protein Content	Nil
Thickness	4 – 40 mm
Laying Temperature	5°C – 25°C
Flow Ring	65 mm diameter x 40 mm high: 220 – 240 mm
Mix Ratio per 25 kg	4.5 – 4.8 litres water
Coverage	An average thickness of 4 mm will provide a typical coverage rate of 3.75 m ² per mix The coverage rate is based on a flat level surface, additional material should be allowed for where the surface is rough, uneven or where a specific SR level is to be achieved.
Cure Time (at 20°C)	10 mm thickness: at 10°C: Walk On 4 - 8 hours, Full traffic 2 days at 20°C: Walk On 2 - 4 hours, Full traffic 2 days
Drying Time	Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203, typically after 24 hours, dependent on thickness and ambient conditions (20°C, 50% RH) After 6 hours curing without draughts ensure the area has sufficient ventilation to allow the screed to dry
Storage	Store indoors in dry conditions at 25°C, stacked not more than 2 pallets high
Shelf Life	12 months when stored as recommended in original unopened packaging High temperatures and humidity will lead to a reduced shelf life

