CI/SfB
Pr2
CAW M10
Uniclass L6412:P21

Technical Data Sheet

SX100

RENOVATION SCREED

TREMCO
Lasting Performance

KEY BENEFITS SUMMARY

- Fast application and minimum down time
- Can be pumped up to 2000 m² per day
- Contains special fibres to give excellent crack resistance
- Protein free
- Suitable for laying over existing floor finishes such as tiles or flooring grade mastic asphalt
- Suitable with underfloor heating systems (minimum cover of 25 mm over pipes)

PRODUCT INFORMATION

Description
SX100 is a fibre reinforced, self-levelling flooring compound for interior applications.

Usage/Purpose
Designed for application to existing floors prior to the application of floor coverings including: vinyl, carpets, ceramic tiles, wood, etc.

Colour
Grey powder

Packaging
25 kg plastic lined reinforced paper sack

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
SX100-20180215

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 SX100. 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 SX100.
- Mechanical preparation, using an enclosed shotblasting machine may be recommended and should be followed by thorough vacuuming to remove all surface dust.
- Ensure wood, ceramic, vinyl and quarry tiles are all soundly bonded prior to overlaying.
- Concrete and sand/cement screeds should be a mimum of 25 N/mm².
- Must be fully cured and incorporate an effective damp proof membrane. For full details of surface preparation contact tremco illbruck Technical Services.
- Site overshoes recommended when applying to TREMCO surface damp-proof membranes.

Priming
- Porous sand/cement or concrete should be primed with CS150 Acrylic Primer.
- Most non-porous surfaces require priming. When using CS100 Epoxy Primer for Non-Porous Substrates in accordance with the recommendations below, a maximum thickness of 6 mm of SX100 should be applied. For greater than 6 mm thickness, ES300 Surface DPM should be applied in all cases and blinded with CP507 Sand. Please see below or contact tremco illbruck Technical Services for full details.
- Wood substrates should generally be primed with CS150 Acrylic Primer; however, where there are wide joints or there is suspected excessive movement, ES300 Surface DPM should be mixed and feathered into the joints and then an full coat applied over the whole area and blinded with CP507 Sand.
- Steel decks and metal substrates should be prepared and primed with CS100 Epoxy Primer for Non-Porous Substrates. On substrates susceptible to rusting, ES300 Surface DPM should be applied and blinded with CP507 Sand.

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Galvanised steel substrates should be treated with a suitable etching primer prior to applying the CS100 Epoxy Primer for Non-Porous Substrates – contact tremco illbruck for details.

- Quarry tiles and ceramic tiles should be prepared and primed with CS100 Epoxy Primer for Non-Porous Substrates generally; however, where there are wide joints in between the tiles or cracked/ moving grout lines, ES300 Surface DPM should be mixed and feathered into the joints and then an overall coat applied over the whole area and blinded with CP507 Sand.
- Old vinyl tiles may be laid over; however, they must be soundly bonded, degreased, abraded and a reinforcing scrim should be used. The prepared tiles should be primed with CS100 Epoxy Primer for Non-Porous Substrates.

Mixing

- Mix using an electric drill and paddle. Add 4.5 - 4.8 litres of water to the mixing vessel and add the 25 kg of SX100 powder 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 SX100. 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

- SX100 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.
- Floor coverings can be installed when the relative humidity is below 75%.

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.

TECHNICAL DATA

PROPERTY	RESULT
Composition	A blend of natural and recycled raw materials, graded fillers, modified polymers, special fibres and flow admixtures
Open Time/Workability (at +20 °C)	up to 30 minutes
Pot Life (at 20°C)	Typically 20 minutes
Compressive Strength	28 days >30 N/mm²
Flexural Strength	28 days >8 N/mm²
Adhesion to C30 Concrete	28 days >1 N/mm²
Reation to Fire	EN 13501-1
Impact Resistance	BS8204 Part 1 Cat: A
Coverage	An average thickness of 4 mm will provide a typical coverage rate of 4 m² per mix
Cure Time (at 20°C)	Approximately 2- 4 hours for foot traffic
Storage	Store in dry shaded conditions between +5°C and +25°C
Shelf Life	6 months when stored as recommended in original unopened packaging

Cleaning

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

Please note

Not suitable for installation at ambient temperatures below +5°C or over+30 °C.

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.

tremco illbruck - A Company approved to:
ISO 9001 Quality Management
ISO 14001 Environmental Management
OHSAS 18001 Occupational Health and Safety Management
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