

CI/SfB	Pq2
CAW M10	
Uniclass L6412:P21	
August 2010	

SX100 Unideck

Fibre Reinforced Smoothing Compound

KEY BENEFITS SUMMARY

- 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
- Can be pumped up to 2000 m² per day with an application range of 5 mm - 50 mm providing a quality solution that is quick and cost effective to apply
- Fast application and minimum down time

PRODUCT INFORMATION

Description

Tremco SX100 Unideck is a fibre reinforced, cementitious self-levelling flooring compound for interior applications.

Usage / Purpose

Tremco SX100 Unideck is designed for application to existing floors prior to the application of floor coverings including: vinyl, carpets, ceramic tiles, wood, etc.

LIMITATIONS

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

Colour

Grey

Packaging

25 kg plastic lined reinforced paper sack

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details), or via local and national distributors.

TECHNICAL INFORMATION

Composition

A blend of special cements, graded fillers, modified polymers, special fibres and flow admixtures.

Characteristics (Typical Values)

DENSITY

Wet 2000 kg/m³

Performance (Typical Values)

OPEN TIME/WORKABILITY (at +20 °C)
30 minutes

COMPRESSIVE STRENGTH

28 days >30 N/mm²

FLEXURAL STRENGTH

28 days 10 N/mm²

BOND STRENGTH

28 days >1 N/mm²

FIRE RESISTANCE

BS 476-7 Spread of flame Class 1

IMPACT RESISTANCE

BS8204 Part 1 Cat: A

CURE TIME

Approximatley 4-8 hours for foot traffic.

USAGE GUIDELINES

Standards

All aspects of the installation must be in accordance with the requirements of BS8204, BS8203 (Installation of Resilient floorcoverings) or BS5325 (Installation of Textile floorcoverings) 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 Tremco SX100 Unideck. For further details or to arrange for a moisture test please contact Tremco illbruck Technical Services.

Surface 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 Tremco SX100 Unideck.
- 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 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 Tremco CS150 Acrylic Primer.
- Most non-porous surfaces require priming. When using Tremco CS100 Epoxy Primer for Non-Porous Substrates in accordance with the recommendations below,

SX100 Unideck

Tremco illbruck Limited
Coupland Road
Hindley Green, Wigan WN2 4HT UK
Tel: 01942 251400
Fax: 01942 251410
Email: uk.info@tremco-illbruck.com
Website: www.tremco-illbruck.co.uk

a maximum thickness of 6 mm of Tremco SX100 Unideck should be applied. For greater than 6 mm thickness, Tremco ES300 Surface DPM should be applied in all cases and blinded with Rapide N° 7 Aggregate. Please see below or contact Tremco illbruck Technical Services for full details.

- Wood substrates should generally be primed with Tremco CS150 Acrylic Primer; however, where there are wide joints or there is suspected excessive movement, Tremco ES300 Surface DPM should be mixed and feathered into the joints and then an overall coat applied over the whole area and blinded with Rapide N° 7 aggregate.
- Steel decks and metal substrates should be prepared and primed with Tremco CS100 Epoxy Primer for Non-Porous Substrates. On substrates susceptible to rusting, Tremco ES300 Surface DPM should be applied and blinded with Rapide N°7 Aggregate. Galvanised steel substrates should be treated with a suitable etching primer prior to applying the Tremco CS100 Epoxy Primer for Non-Porous Substrates – contact Tremco illbruck for details.
- Quarry tiles and ceramic tiles should be prepared and primed with Tremco CS100 Epoxy Primer for Non-Porous Substrates generally; however, where there are wide joints in between the tiles or cracked/moving grout lines, Tremco ES300 Surface DPM should be mixed and feathered into the joints and then an overall coat applied over the whole area and blinded with Rapide N°7 Aggregate.

- 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 Tremco CS100 Epoxy Primer for Non-Porous Substrates.

Mixing

- Mix using an electric drill and paddle. Add 4.5 - 5 litres of water to the mixing vessel and add the 25 kg of Tremco SX100 Unideck 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 68 mm by 40 mm flow ring should be filled with pre-mixed Tremco SX100 Unideck. 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.

Method of Application

- Tremco SX100 Unideck 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 %.

Coverage Rate

1.7 kg/mm²

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

Product Health and Safety Data Sheet must be read and understood before use.

Storage

Store in dry, shaded conditions between +5 °C and +35 °C .

Shelf Life

12 months when stored as recommended in original unopened packaging.

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.

