

CI/SfB	(43)	Pq2
CAW M10		
Uniclass L6412:P21		
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Treadfast Unismooth Px-2

Protein Free, Heavy Duty Smoothing Compound

KEY BENEFITS SUMMARY

- Short setting and cure time, facilitating fast track program and minimising disruption
- Excellent adhesion to a wide range of common flooring substrates, including: concrete, and sand/cement screeds
- The product is very low VOC
- Self levelling to assist with trowel application and improve final finish
- Protein free, complies with HTM 61 requirements
- Thicknesses of 3 - 25 mm can be accommodated
- Can be mixed with 3mm clean aggregate for applications in excess of 8 mm
- Suitable for pump application

PRODUCT INFORMATION

Description

Treadfast Unismooth Px-2 is a one part general purpose smoothing compound for interior applications.

Usage / Purpose

Treadfast Unismooth Px-2 is specifically designed for preparation and levelling of interior subfloors prior to receiving a floor covering.

LIMITATIONS

Not suitable for use at below +5°C or over +25°C.

Colour

Grey powder

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

Silica sand, cementitious binder and performance enhancing additives.

Characteristics (Typical Values)

DENSITY

Wet 1700kg/m³

COMPRESSIVE STRENGTH

24 hours approx. 22 N/mm²
28 days approx. 36 N/mm²

pH

8-12

Performance (Typical Values)

POT LIFE (at +20°C)
20 minutes

CURE TIME (at 20°C)

Between 2-4 hours for foot traffic, 24 hours for heavy traffic, application of floor covering and loading.

NOTE: Setting and hardening times will decrease at higher temperatures and increase at lower temperatures.

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

- Suitable for application on substrates with <75% RH.
- It is recommended that a moisture test is conducted prior to the application of Treadfast Unismooth Px-2. 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 Treadfast Unismooth Px-2.
- Mechanical preparation, using an enclosed shotblasting 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.

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Priming

- All surfaces must be primed with Treadfast Uniprime P1 (porous substrates) or Treadfast Epoxyprime Plus (non-porous substrates) prior to the application of Treadfast Unismooth Px-2.

Mixing

- Mix at slow speed using an electric drill and paddle. Add approximately 5 litres of water to the mixing vessel and add the 25 kg of Treadfast Unismooth Px-2 powder while mixing to ensure a smooth final mix, free from lumps. Depending on the application, up to 5.5 litres of water may be added. Do not add additional water as this will reduce the performance of the final screed.
- A 65mm by 40 mm flow ring should be filled with pre-mixed Treadfast Unismooth Px-2. 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

- Treadfast Unismooth Px-2 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.
- Minimum thickness of Treadfast Unismooth Px-2 should be 3 mm.
- For application over 8mm, a 3 mm clean aggregate can be added to the mix at a ratio of 1:1.

Coverage Rate

An average thickness of 3 mm will provide a typical coverage rate of 5 m² 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.

Health & Safety Precautions

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

Storage

Store indoors in dry conditions at 25°C, stacked not more than 2 pallets high.

Shelf Life

6 months when stored as recommended.

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.