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Treadfast Uniflow

Self Levelling Smoothing Compound for Internal Subfloors

KEY BENEFITS SUMMARY

- No priming required when used in conjunction with Treadfast One Coat Universal or Treadfast Fastrak Universal.
- Can be pumped up to 2000m² per day with an application range of 5mm-15mm providing a quality solution that is quick and cost effective to apply.
- Fast application and minimum down time.
- High abrasion resistance.
- Vapour permeable.
- Economical.
- Complies with HTM 61 requirements.
- Can be used as a wearing surface.

PRODUCT INFORMATION

Description

Treadfast Uniflow is a cementitious self levelling flooring compound for interior applications.

Usage / Purpose

Treadfast Uniflow is specifically designed for industrial warehouses, schools and hospitals where strength and durability are high priority.

LIMITATIONS

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

Colour

Grey

Packaging

25kg plastic lined reinforced paper sack

Availability

Direct from TREMCO (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 and flow admixtures.

Characteristics (Typical Values)

DENSITY

Wet 2063kg/m³

Performance (Typical Values)

OPEN TIME/WORKABILITY (at +20°C)

30 minutes

COMPRESSIVE STRENGTH

4 hours >3 N/mm²

24 hours >10 N/mm²

28 days >35 N/mm²

FLEXURAL STRENGTH

7 days 7.1 N/mm²

28 days 11.7 N/mm²

TENSILE STRENGTH

28 days 4.3 N/mm²

BOND STRENGTH

28 days 2.4 N/mm²

ABRASION RESISTANCE

0.06mm

IMPACT RESISTANCE

0.6mm

CURE TIME

Approximatley 4 hours for foot traffic and 18 hours for light 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 Treadfast Uniflow. For further details or to arrange for a moisture test please contact TREMCO 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 Uniflow.
- 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 Technical Services.



Treadfast Uniflow

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- Site overshoes recommended when applying to Treadfast surface damp proof membranes.

Priming

- Most non-porous surfaces require priming. Please contact TREMCO Technical Services for full details.
- Porous substrates should be primed with Treadfast Uniprime.

Mixing

- Mix using an electric drill and paddle. Add 4.5 litres of water to the mixing vessel and add the 25kg of Treadfast Uniflow 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 68mm by 45mm flow ring should be filled with pre-mixed Treadfast Uniflow. Using a flow chart, a spread ratio of between 200mm and 210mm should be obtained to ensure that a correct mix is passing through the pump.

Method of Application

- Treadfast Uniflow 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.

- Site overshoes are recommended when applying to cured Treadfast One Coat Universal and Treadfast Fastrak Universal. This must be done within 24 hours of the surface damp proof membrane application at +20°C.
- Floor coverings can be installed when moisture levels are below 5%.

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 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 01753 691696.

Guarantee / Warranty

Tremco products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco written instructions and (b) in any application recommended by Tremco, 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 Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

