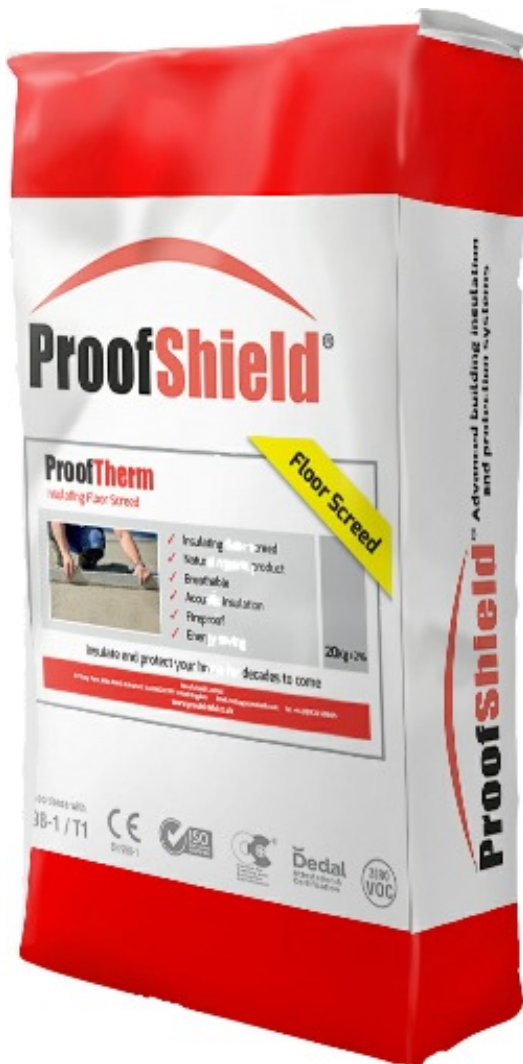


Lightweight Insulating Screed



ProofTherm Insulating Screed is a bagged, lightweight alternative to traditional screed with the added benefit of providing thermal and acoustic insulation.

It can be used for flooring or on roofs where it can be installed to falls.

ProofTherm is a natural mineral formulation that uses Perlite to provide the insulating aggregate.

Perlite is a naturally occurring mineral formed from Volcanic rocks that have expanded and trapped millions of micro air bubbles before cooling and hardening.

ProofTherm lightweight screed is not designed to provide a permanent wearable surface and should be finished off with a cement sand screed or similar.

Reduced weight, increased thermal and acoustic insulation



The information, and, in particular, the recommendations relating to the application and end-use of SMET distributed products, are given in good faith based on SMET's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the manufacturer's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Lightweight Insulating Screed

Storage

18 months, stored in dry, protected conditions.

Disposal Considerations

Regional legislation (waste) : Disposal must be done according to official regulations. Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015. Regulation on Incineration of Waste Materials published in the Official Journal numbered 27721 on October 6, 2010. Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not remove as household garbage. Sewage disposal recommendations : Disposal must be done according to official regulations. Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Safety Considerations

All standard precautions for the handling of construction materials/chemicals must be taken. See ProofShield safety datasheet for detailed info. Classification according to Regulation (EC) No 1272/2008. Skin corrosion/irritation, Category 1A H314; Serious eye damage/eye irritation, Category 1 H318; Skin sensitisation, Category 1 H317. Adverse physicochemical, human health and environmental effects: causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP): **GHS05, GHS07**. Signal word **Danger**. Hazardous ingredients: White cement; Hydraulic lime.

Hazard Statements

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Serious eye damage/eye irritation, Category 1

Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a POISON CENTER or doctor.

ProofTherm

Data Sheet: **Insulating Screed**

V1.3 Date 05/18

Thermal Conductivity, $\lambda_{10dry}(W/m^2K)$	T1 (0.1 W/m ² K)	EN 1745, Chart A1/ EN 1745, Item 4.2.2
Reaction To Fire	A1	EN 13501 - 1
Adhesion(N/mm ²) and fracture pattern A,B or C	FP: B 1.2 N/mm ²	EN 1015 - 12
Compressive Strength	CS II (3.5 Nmm)	EN 1015 - 11 ^a
Capillary Water Absorption	W1($c \leq 0,4 \text{ kg/ m}^2 \cdot \text{min.}^{0.95}$)	EN 1015 - 18
Water vapour permeability (μ)	≤ 15 (5.5 μ)	EN 1015 -19 a,b
Dry bulk density (kg/m ³)	500 kg/m ³ $\pm 10\%$	EN 1015 - 10
Sound insulation dB	23db/ 22db/ (3cm/500hz)	EN ISO 10140-2
Joule test	I 2 (Damaged at 2 joule level)	EN 13497
Colour/ appearance	Grey /granule	
Packaging	20 kg - 40lt $\pm 2\%$ bagged dry product	
Pallet packing	55 pieces / pallet / 11 rows stacking/ 110 Kg	
Coverage	Approx 5.5 kg per m ² @10mm depth. 1 bag=3.63m ² @ 10mm	
Drying time	8 Hours (at 23°C, 50% Relative Humidity)	
Full drying time	36 Hours (at 23°C, 50% Relative Humidity)	
Drying Time for Testing	28 days at 23°C, 50% Relative Humidity)	
Application Temperature	+5 - +35°C	
Application Duration (Pot Life)	4 Hours (at 23°C, 50% Relative Humidity)	
Applicable Thickness	Minimum 20mm, maximum 100mm	

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