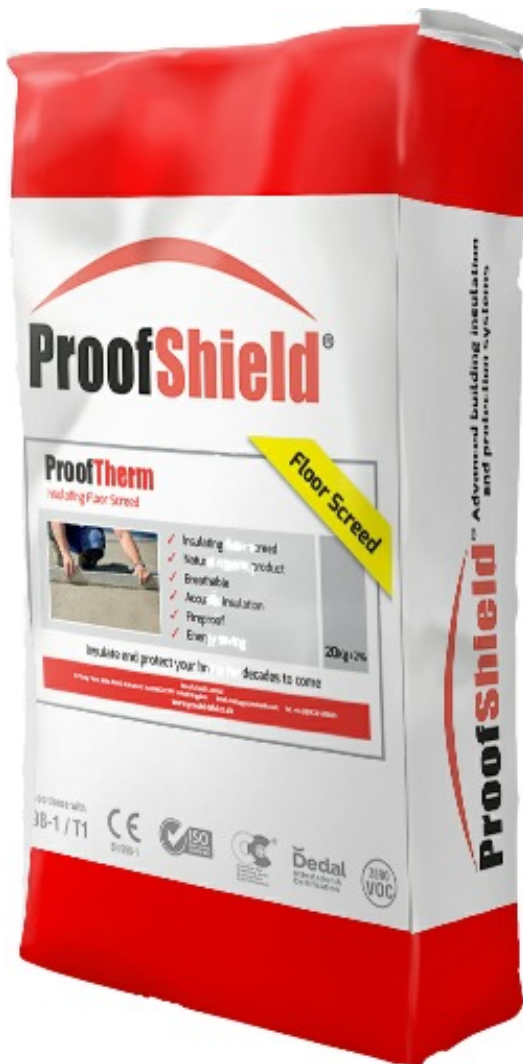


### Lightweight Insulating Screed



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

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# ProofTherm

## Data Sheet: **Insulating Screed**

**V1.3 Date 05/18**

Thermal Conductivity, $\lambda_{10dry}(W/m2K)$	T1 ( 0.1 W/m2 K)	EN 1745, Chart A1/ EN 1745, Item 4.2.2
Reaction To Fire	A1	EN 13501 - 1
Adhesion(N/mm <sup>2</sup> ) and fracture pattern A,B or C	FP: B 1.2 N/mm <sup>2</sup>	EN 1015 - 12
Compressive Strength	CS II (3.5 Nmm)	EN 1015 - 11 <sup>a</sup>
Capillary Water Absorption	W1( $c \leq 0,4 \text{ kg/ m}^2 \cdot \text{min.}^{0.95}$ )	EN 1015 - 18
Water vapour permeability ( $\mu$ )	$\leq 15$ ( 5.5 $\mu$ )	EN 1015 -19 a,b
Dry bulk density (kg/m <sup>3</sup> )	500 kg/m <sup>3</sup> $\pm 10\%$	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 <sup>2</sup> @10mm depth. 1 bag=3.63m <sup>2</sup> @ 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	