SCREEDFLO THERMAL SCREED

Screedflo Thermal screed is specifically designed for use with underfloor heating systems. It may be used with conventional heat sources as well as with renewable technologies. It is not pipe specific and is suitable for use with any underfloor heating system and in any type of construction, subject to suitable engineering. It is suitable for use over timber floors, Lewis decking, and more traditional concrete and masonry systems.

Suitable for both new build and refurbishment projects, Screedflo Thermal offers an environmentally friendly screed to help improve the sustainability criteria of your project. Screedflo Thermal can be used to thinner depths than conventional screeds, requiring just 20mm minimum cover to pipes, subject to substrate suitability. Screedflo Thermal is suitable for use with all types of floor covering, and offers the ultimate in underfloor heating efficiency and comfort.

WHAT'S SPECIAL ABOUT SCREEDFLO Thermal?

In addition to all of the usual benefits available with Screedflo screeds, Screeedflo Thermal is designed specifically for use with underfloor heating/cooling systems and is suitable for both warm water and electric underfloor heating.

Screedflo Thermal has a higher thermal conductivity.
Independent tests achieved 2.5W/mK [1]
For UK calculations use 2.3W/mK [2]

Reduced depth
Minimum 20mm cover required to underfloor heating conduits. (Some cosmetic pipe mapping may be observed.)

Better heating performance
Complete pipe encapsulation allows easy heat transfer
Suitable for any heating system and pipe size
Low flow temperatures
Reduced energy consumption and CO2 emissions

Reduced heating cost
Low thermal inertia and rapid response
Heats up quickly and cools quickly allowing greater system control
Improved comfort level and reduced thermal "overshoot"
[1] Tested to ASTM 1530 by Warwick University using normative sample.
[2] Allows for testing tolerances

Application data:
Underfloor Heating - Minimum cover to pipes 20mm

Physical data
Anhydrite binder mixed with selected sharp sand and water.

Appearance: off white fluid mortar
PH: 10 – 12
Wet Density: 2,200kg/m3
Dry Density: 2,000kg/m3
Required flow: 230mm to 270mm
Non-combustible building material Class A1 BS EN13501.
Thermal expansion coefficient 0.012mm/mK.
Minimum requirement C25-F4
Nominal C35-F6
Setting Time: Initial Set > 300 minutes
BRE Impact Test: Category A less than 3mm.

Performance data
Foot traffic in 48 hours
Loading 5 to 7 days
Drying times are dependent on depth of screed, ambient conditions and suitability of building envelope.
1mm per day up to 40mm depth. At 20 degrees C and 60% RH
Force drying: Can be force dried after 7 days.
SR2 tolerance finish can be readily achieved as described in BS8204.

Environmental data

Recycled Content	Binder 98%
	Mortar up to 40%
Carbon Emissions	Binder 10-30kgs/tonne
	Mortar 30-50kg/m3

Environmentally friendly and protein free.

Screed 36% recycled content, 100% recyclable

Components of this product may be hazardous during application and mixing. Please consult the Screedflo Health & Safety Data Sheets which can be obtained from our Head Office on 01621 874781.

For all enquiries please contact us:
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