

**HIGH THERMAL CONDUCTIVITY
SCREED FOR USE WITH UNDERFLOOR
HEATING AND COOLING SYSTEMS**



HTC DATASHEET

DESCRIPTION:

Roadstone High Thermal Conductivity (HTC) Quick Floor Screed is the latest innovation in flowing screed technology from Roadstone, offering a screed specifically designed for use with underfloor heating and cooling 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, Roadstone HTC Quick Floor Screed offers an environmentally friendly screed to help improve the sustainability criteria of your project. Roadstone HTC Quick Floor Screed is available from our manufacturing partners, and may be installed by any of their approved installers. It can be used to thinner depths than conventional screeds, requiring just 20mm minimum cover to pipes, subject to substrate suitability. Roadstone HTC Quick Floor Screed is suitable for use with all types of floor covering, and offers the ultimate in underfloor heating efficiency and comfort.



WHAT'S SPECIAL ABOUT ROADSTONE HTC QUICK FLOOR SCREED



In addition to all of the usual benefits available with Roadstone Quick Floor Screeds [1] Roadstone HTC Quick Floor Screed also offers:

- Designed specifically for use with underfloor heating/cooling systems
Suitable for both warm water and electric underfloor heating
- High Thermal Conductivity

Independent tests achieved	2.5W/mK [2]
For Irish calculations use	2.3W/mK [3]
- Reduced depth
Minimum 20mm cover required to underfloor heating conduits [4]
- High Strength

Minimum	CA-C30-F5
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- Complete versatility of design
Suitable for all types of underfloor heating pipe or cable
Can be installed by any approved Roadstone Quick Floor Screed installer [5]
- 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 costs
- Low thermal inertia and rapid response
Heats up quickly and cools quickly allowing greater system control
Improved comfort level and reduced thermal "overshoot"

[1] See "Why Choose Us" Data sheet

[2] Tested to ASTM 1530 by Warwick University using normative sample.

[3] Allows for testing tolerances

[4] Some cosmetic pipe mapping may be observed

[5] For approved installers contact your local Roadstone office or representative

