



**RTU**  
MORTAR / CONCRETE / PLASTER / SCREED

*ultra***flo**<sup>®</sup>  
*hemihydrate liquid screed*

**YOUR IDEAL PARTNER  
FOR UNDERFLOOR  
HEATING**

Enjoy improved energy efficiency  
and lower runnings costs with  
underfloor heating.

**Ultraflo® is installed by trained and skilled contractors, who have extensive experience with liquid floor screeds.**



RTU rises to the challenges that our customers face, by offering project-specific solutions that ensure hassle-free delivery and peace of mind.

Our experienced team will ensure expert consultation, seamless logistics and excellent customer service at every stage of the process.



#### **Quality**

Our measure of excellence is to ensure we exceed the needs of our customers and the requirements of the marketplace, in every product and touchpoint.



#### **Productivity**

We infuse our products and services with the knowledge that our customers require a construction process, that is both streamline and compliant.



#### **Lab Technology**

RTU doesn't just sell products - we manufacture them. Everything starts in our modern laboratory and is developed through science and research.



#### **Expert Consultation**

Our team has extensive knowledge and the experience to rise to the challenges our customers face with project-specific solutions.



#### **Customer Service**

From the first contact through to aftercare, our unrivalled customer experience provides seamless logistics, hassle-free delivery and peace-of-mind.



#### **Trained Installation**

From our approved and trusted network - who better to install our products than someone who has undergone specific training in how to do so?







**Ultraflo® is a unique hemihydrate calcium sulphate liquid floor screed designed to be used with underfloor heating. The product reduces the risk of cracking, improves heat responsiveness and heat lag with underfloor heating.**

Developed and tested within our in-house laboratory, this innovative product delivers superb performance and efficiency to our customers.

Due to its hemihydrate formulation, Ultraflo® self-levelling liquid floor screed does not suffer from surface laitance (a scum/dust of material adhering to the top of the screed during the curing process), unlike other liquid floor screeds on the market.

A key benefit of Ultraflo® is minimal drying shrinkage in comparison to cement based screeds, both liquid and traditional. Minimal drying shrinkage greatly reduces the risk of cracking and allows areas between movement joints to be dramatically increased.

- ✓ Minimal drying shrinkage or curling, meaning substantial reduction of movement joints.
- ✓ Fast heat response times result in greater thermal efficiency.
- ✓ Speed of installation, up to 2000m<sup>2</sup> per day.
- ✓ Reduced laying depths, weights and drying times (as little as 30mm required).
- ✓ Can be force dried, reducing drying times.
- ✓ Virtually self-levelling.





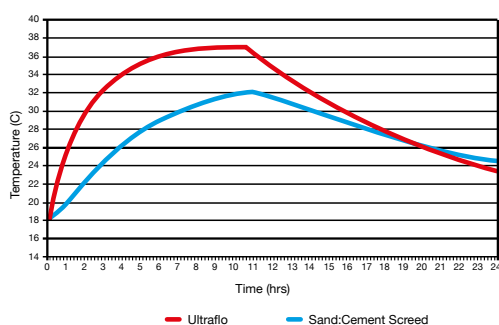
# ELITE

## Ultraflo® provides the conditions for a much faster heat response time than a traditional sand:cement screed.

Ultraflo® fully encapsulates the underfloor heating pipes, thus creating a more reactive heat sink, thus enabling a quicker heat response time and delivering an enhanced heating system. For a reduced source water temperature the same surface temperature can be achieved. Its unique properties deliver improved energy efficiency and lower running costs with underfloor heating.

### Surface Temperature – 42°C source water temperature

(Insulated box with heating turned off after 11 hours)

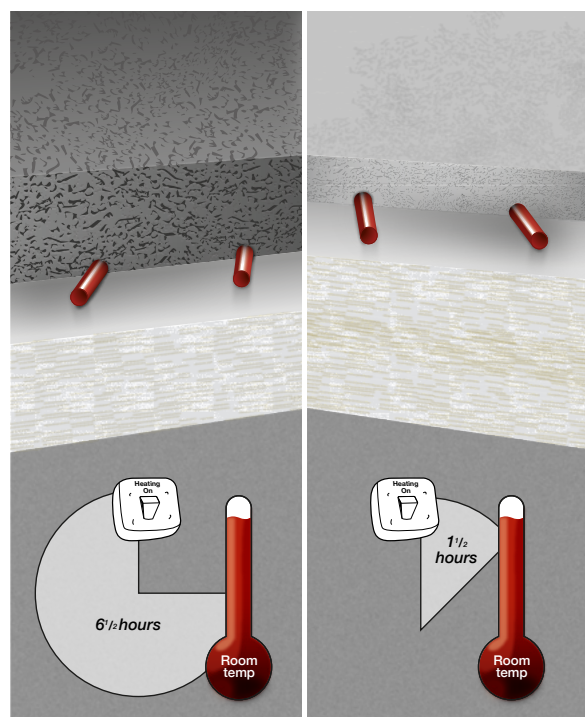


An Ulster University Study

**ultraflo**  
hemihydrate liquid screed

SAND:CEMENT SCREED

**ultraflo**







## Ultraflo® reduces energy costs and is eco-friendly.

Whereas cement manufacture contributes to CO<sub>2</sub> emissions, Ultraflo® is more environmentally friendly and energy efficient. As a by-product of fuel gas desulfurization, Ultraflo® minimises waste material going to land fill, making it a highly sustainable product.

This positive environmental impact continues post installation, with Ultraflo® contributing to the energy and cost savings attributed to underfloor heating. While underfloor heating was once viewed as a luxury product, it is now championed as a 'green system' and an energy efficient investment.



RTU is Northern Ireland's leading construction and building materials supplier of concrete, mortar, decorative materials, plaster and screed.

We are the first choice supplier for leading architects, construction companies, builders and the self-build sector.



### Contact our team:

Tel: 028 9085 1441

[sales@rtu.co.uk](mailto:sales@rtu.co.uk)

[www.rtu.co.uk](http://www.rtu.co.uk)



RTU LTD

Cloughfern Avenue, Newtownabbey, BT37 0UZ

