



RTU[®]

S C R E E D

MORE THAN BRICKS & MORTAR...

INNOVATION, HARD WORK AND INTEGRITY

RTU is a market leading manufacturer of ready-mix concrete, mortar, plaster and screed, with over two decades of experience in the industry.

As pioneers of ready to use mortar, ultraflo® hemihydrate liquid floor screed and exposa® decoravite concrete, RTU has gained an enviable reputation for innovation, quality of product and excellent customer service. Our diverse portfolio encompasses many prestigious commercial, industrial, residential and public sector projects.

Our skilled and experienced work force are committed to understanding and satisfying the needs and expectations of each of our customers, and strive to deliver the very best quality products and service.

QUALITY

RTU ready-mix screed is manufactured by one of the most advanced computerised plants in Ireland which has the capacity to produce over 90M³ per hour. Our in-house lab rigorously monitors production and raw materials to ensure our screed complies with BS EN 13813. RTU screed is CE marked to BS EN 13813.

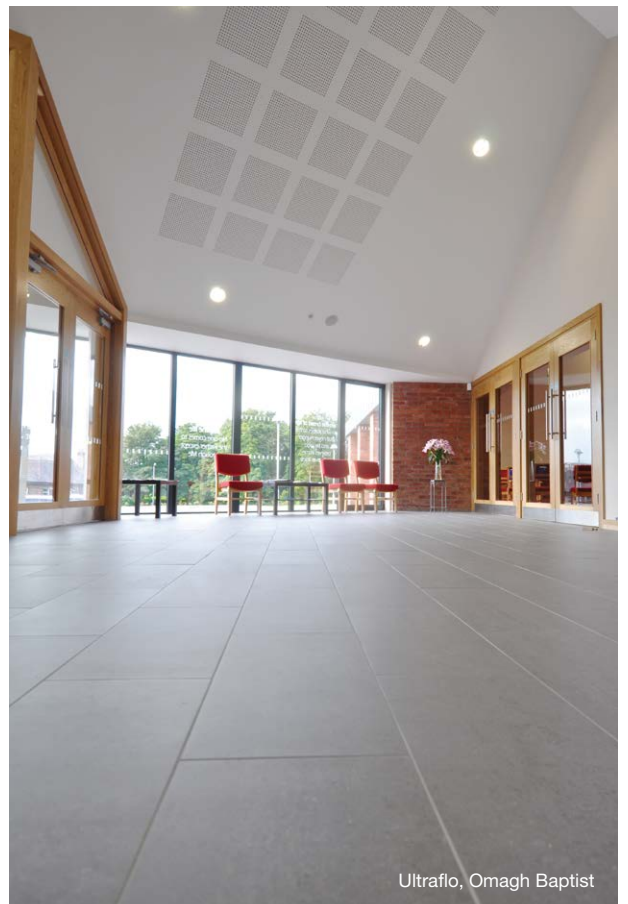
Our technical advisors are able to offer specialist help and guidance on all aspects of our products, including specifications, performance and suitability for applications. We design bespoke mixes to meet any scheme requirements.

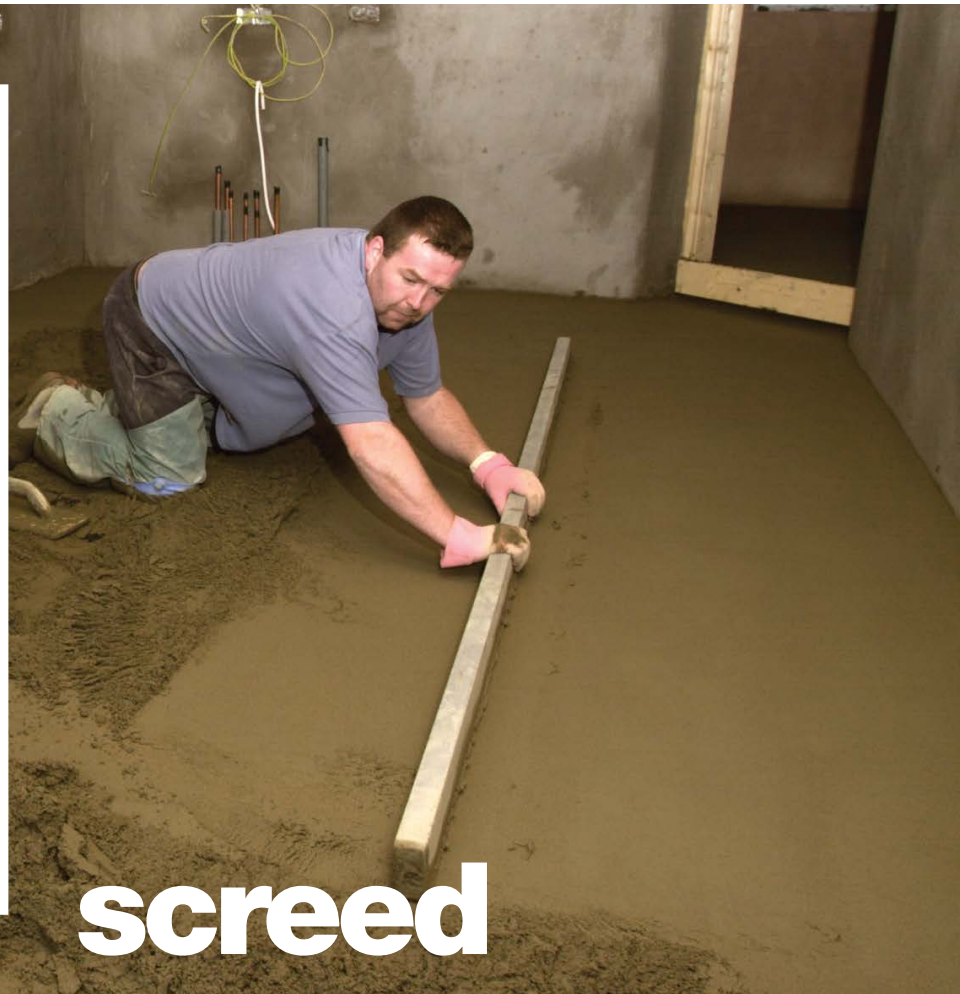
HEALTH AND SAFETY

We understand that health and safety is a critical part of our industry. Throughout our business we have established a deeply embedded and responsive health and safety culture, focusing on the single idea that no one's health should be put at risk by what we do.

ENVIROMENTAL

RTU believe in caring for the environment and are committed to reducing, recycling and reusing materials whenever possible, with our advanced recycling plant. We constantly seek to improve our green thinking throughout our business. Our environmental management system is third party accredited to ISO 14001. This enables your project to achieve BREEAM credits and meet guidance set out by documents such as the "Code for Sustainable Homes".





screed



RTU is committed to providing the perfect screed to meet the varying demands of the commercial, industrial, residential and public sections.

All RTU screed is manufactured through our planetary mixing process. This has distinct advantages over site mixed screeds, providing accurate mix proportions, excellent cement dispersion and ensures uniform compressive strength throughout.

We offer a range of traditional and high performance screeds produced under factory conditions and available in a range of strengths. Should you require a bespoke design dedicated to your project please contact our technical team.

SAND:CEMENT

Sand:cement screed is a high quality screed which incorporates a cement set-retarder to allow the screed to remain workable, for up to 8 hours.

FIBRE

Fibre screed is a high quality retarded screed, which contains a measured amount of polypropylene fibres. As a substitute to light mesh the use of fibres in screed ensures the reinforcement is in the correct position and correctly distributed. RTU fibre screed demonstrates excellent strength characteristics.



POLYMER MODIFIED

Polymer modified screed is designed with the inclusion of a synthetic polymer resin to give increased toughness and bond properties. Shrinkage and cracking is minimized, permeability is reduced and flexural strength is improved. This screed can provide high performance at thinner levels when normal minimum thickness cannot be achieved.

QUICK DRYING

Quick drying screed has been designed as an improved-drying floor screed. This factory produced high performance screed is suitable for all common floor finishes. It accommodates quick turnaround, allowing foot traffic and application of floor coverings earlier than normal.

BENEFITS

- Quality assured product to BS EN 13813
- Factory produced to ensure optimum cement dispersion
- Available in retarded form providing up to 8 hours working time, other times may be specified
- Optimised water content to ensure ease of compaction
- Can be pumped using air transport pumps
- No need for on-site mixing equipment or storage facilities

RTU screed is delivered in tipper road trucks and available in any load size from 0.4M³ to 10M³ loads. On request delivery can be made in 1 ton bags or 0.33M³ tubs.





ultraflo®
hemihydrate screed

Ultraflo® is a hemihydrate calcium sulphate liquid floor screed which redefines screed technology and is the screed of choice for underfloor heating. Its unique properties make it an ideal solution for domestic, commercial and public projects.

The improved performance of ultraflo® with underfloor heating is due to the fact that heating pipes are fully encapsulated with ultraflo® to a typical depth of 50mm. This is in contrast to the much deeper 100mm of non-compacted sand:cement screed, and has proved to give much greater thermal conductivity. Customers have enjoyed the benefits of reduced heat-lag delay, commonly experienced with sand:cement screeds.

Ultraflo® is Ireland's only ready mixed hemihydrate liquid screed and is superior to other liquid screeds due to its hemihydrate formulation. A key benefit of a hemihydrate screed is that it does not suffer from surface laitance (a scum/dust of material adhering to the top of the screed during the curing process). This unique advantage means ultraflo® hemihydrate requires no buffing/grinding to the floor surface prior to application of floor finishes.

ADDITIONAL BENEFITS

- Minimal drying shrinkage as it is not a cement based product
- Virtually crack-free floor with considerably fewer movement joints
- Allows light traffic within 24 hours
- Can be force-dried to facilitate early installation of floor coverings
- High flexural and compressive strength allowing installation at greatly reduced depths
- Eco-friendly (formulated from a by-product of flue gas desulphurisation)
- Dramatically improved heat responsiveness of underfloor heating
- Enhanced thermal control, increasing comfort within the building and reducing energy costs



service

We are constantly working hard to maintain the high levels of customer service that we have established in the building industry. Our dedicated sales and technical team will identify your requirements, supported by our flexible logistics team, guaranteeing a first class service in the delivery of product to your site.

We have the ability to supply projects of all sizes and cater for customer collections without compromising on customer service and quality assurance.

RTU

Tel: 028 9085 1441

Cloughfern Avenue, Newtownabbey BT37 OUZ

www.rtu.co.uk