



***FlexiDry***<sup>®</sup>  
*Global Ltd*

*INNOVATORS IN SCREED SCIENCE*



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

Why wait 110 days for your screed to dry when you have a choice of 7, 14 or 21 days?



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



# What is FlexiDry?

FlexiDry is an accelerated screed additive which can be used on a wide range of floor applications.



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# How FlexiDry works

Screed hardens due to a chemical reaction –Hydration– between cement and water in the mix which requires one part water to four parts cement.



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# How FlexiDry works

FlexiDry, when added to the mix water, allows more of the cement molecules to bond, accelerating the hardening and drying time without compromising on workability, strength or durability.





# How FlexiDry works

The concentration of FlexiDry in the mix water will dictate the rate at which Hydration and drying will accelerate.





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# The difference between FlexiDry & standard floor screeds

- Depending on the dosage of FlexiDry, final floor finishes can be installed after 7, 14 or 21 days
- Standard screeds laid at 75mm will take approximately 110 days to dry before final floor finishes can be installed





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Additional Benefits of FlexiDry

- Light foot traffic after 12 hours
- Does not need curing
- Greatly reduced shrinkage due to the highly controlled drying process enabling much larger bay sizes





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Additional Benefits of FlexiDry

- Increased compressive strength
- Major cost savings due to the ability to dry the screed in-line with the actual project timescales
- Being a high concentrated non hazardous liquid it is just added to the screed mixture on site





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Additional Benefits of FlexiDry

- Allows reduced thicknesses on top of insulation and UFH systems and therefore uses less screed, so less cement and better for the environment
- It is water repellent unlike anhydrite and traditional sand & cement screeds





# FlexiDry on UFH

FlexiDry is a perfect screed solution for Underfloor Heating. It provides a good conductor of the heat dissipated from the pipes and due to its high density and easy compaction optimum performance is achieved.





# FlexiDry on UFH

Recent tests by a recognised University show that a cementitious screed is 20 to 30% more efficient as a thermal conductor than an anhydrite screed.





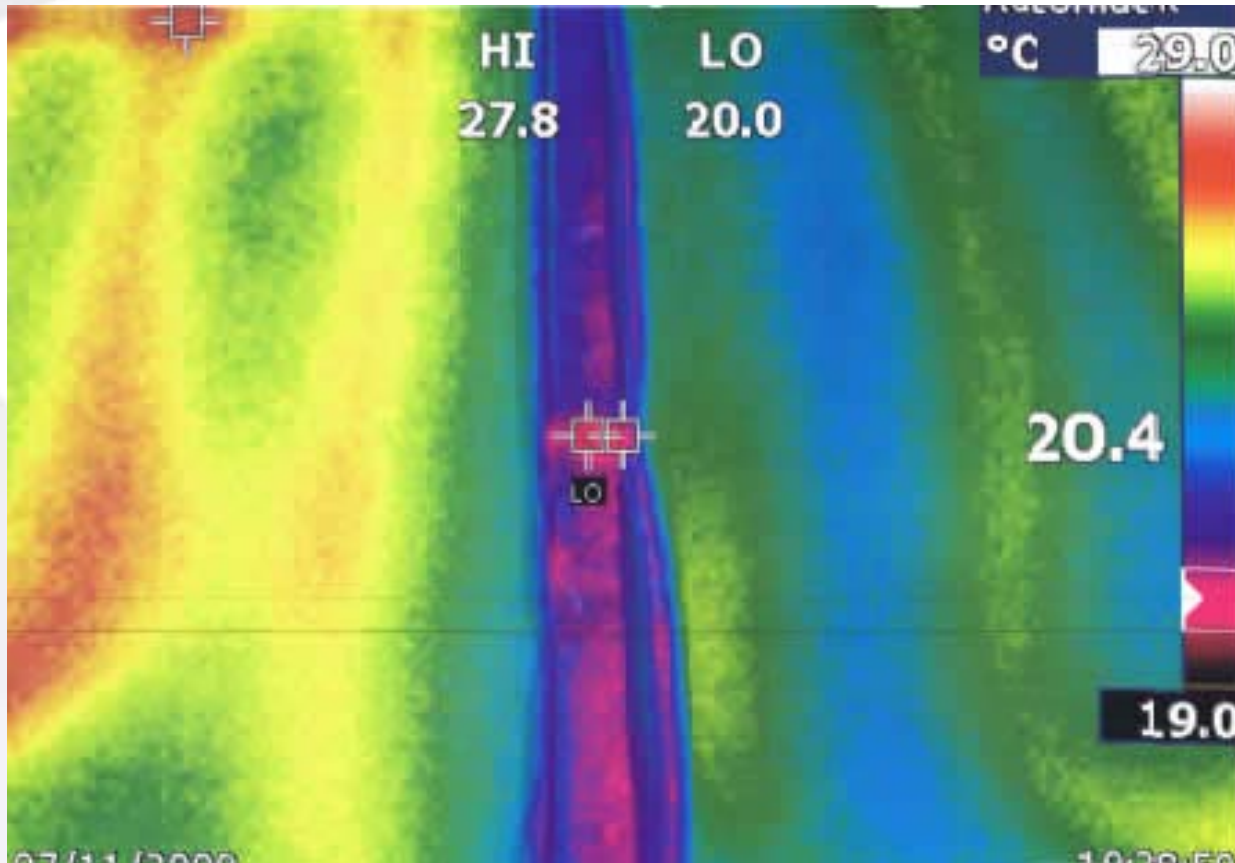
**FlexiDry**  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# FlexiDry on UFH

FlexiDry Fibre Screed

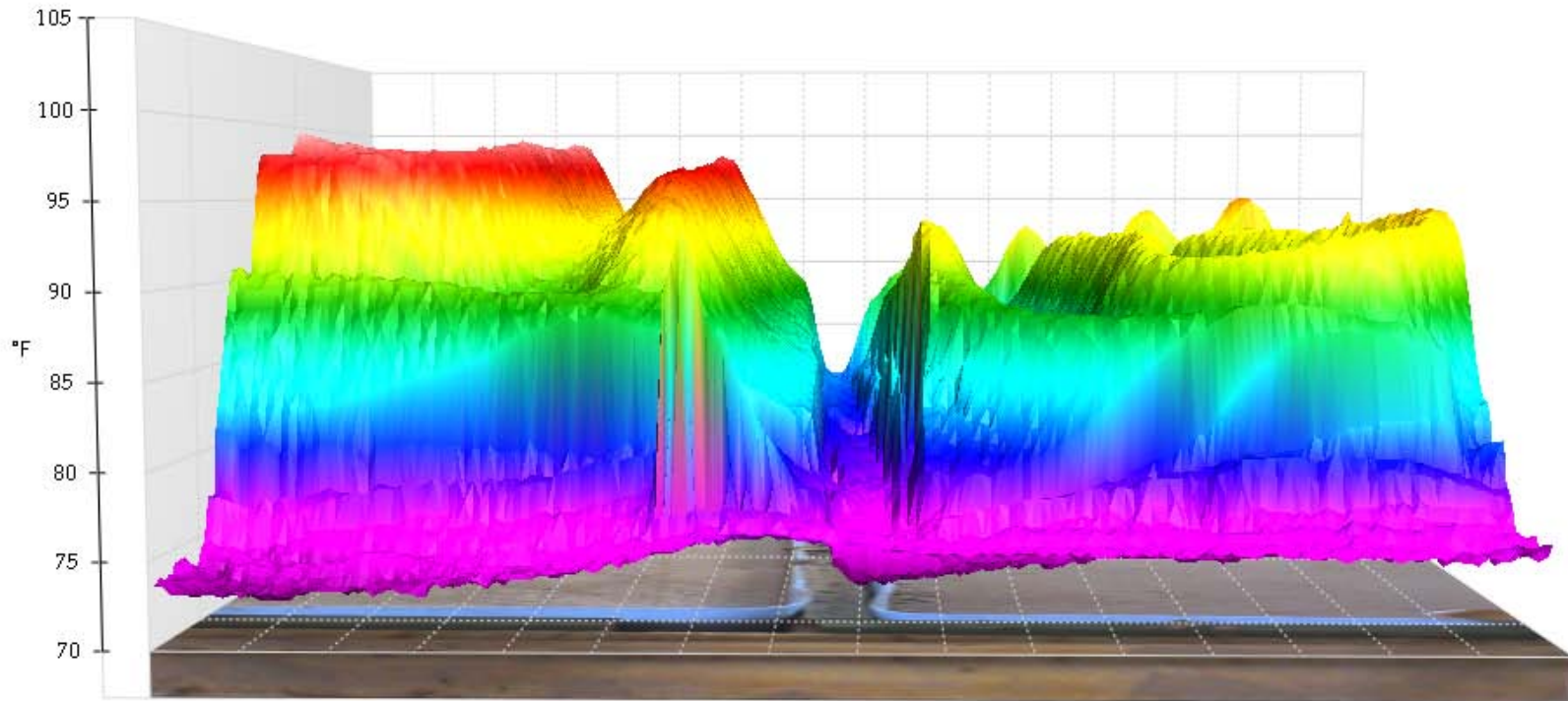
Anhydrite Screed



# FlexiDry on UFH – 3D Thermal Images

FlexiDry Fibre Screed

Anhydrite Screed



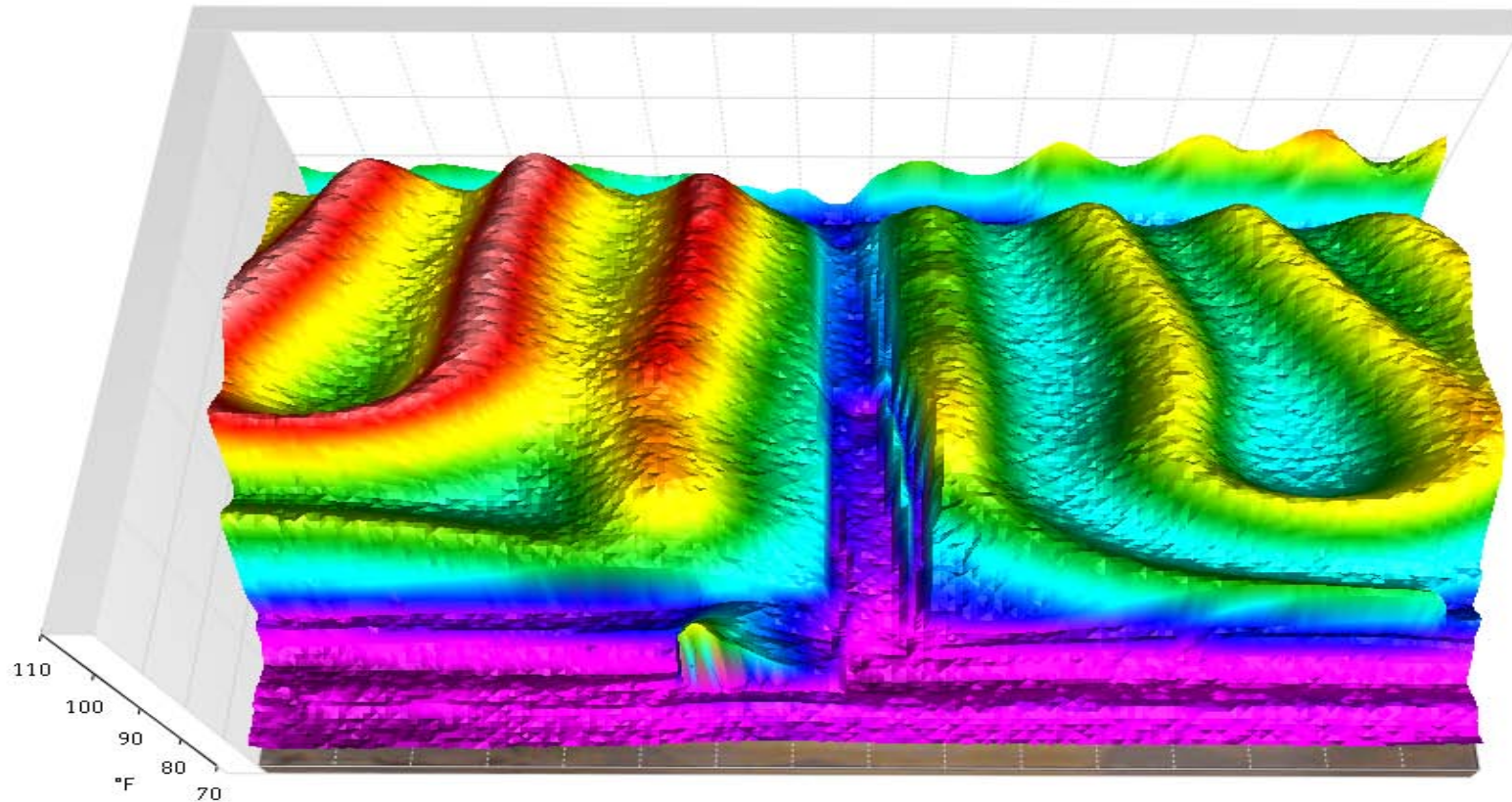
**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# FlexiDry on UFH – 3D Thermal Images

FlexiDry Fibre Screed

Anhydrite Screed



**FlexiDry**<sup>®</sup>  
Global Ltd  
INNOVATORS IN SCREED SCIENCE



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Sustainability

## Reduced thickness = less cement used

- FlexiDry allows the screed to be laid at a reduced thickness compared to standard cementitious screeds
- Less material is needed per project i.e. less cement
- Reduced carbon footprint
- Approximately 1.25 tonnes of CO<sub>2</sub> expelled in the production of every one tonne of cement



**F<sub>1</sub>** **F<sub>2</sub>** **F<sub>3</sub>**



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Sustainability

## Reduced wastage

- FlexiDry floor screeds are mixed on site; therefore minimal waste & reduction in landfill
- Ready mixed screeds are inherent of much larger waste margins as it is difficult to pre-order the exact quantities for an installation



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Sustainability

## Reduced handling & transport

- As FlexiDry is a low volume usage liquid based additive less storage is needed both on and off site
- Ease of handling due to small dosages
- Removes the need for replacement screed products as one product does it all



**F<sub>1</sub>** **F<sub>2</sub>** **F<sub>3</sub>**



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Sustainability

## 100% recyclable

FlexiDry floor screeds are completely recyclable and provide a whole life solution which can be recycled and blended with concrete for further use.



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



# Specifying FlexiDry

FlexiDry floor screeds are recognised by the National Building Specification (NBS), providing building and construction professionals with the assurance that FlexiDry can be specified under standard approved conditions.

The NBS Plus logo consists of the text 'NBS Plus' in white, set against a green rectangular background.



F<sub>1</sub> F<sub>2</sub> F<sub>3</sub>



# Specifying FlexiDry

Architects are able to simply download the full product specification for FlexiDry floor screeds with one click using the NBS RIBA Product Selector website and paste it into their project specification.

[ribaproductselector.com](http://ribaproductselector.com)



F<sub>1</sub> F<sub>2</sub> F<sub>3</sub>



# FlexiDry Projects

FlexiDry floor screeds have been used extensively across all manner of installations in the UK and throughout Europe. It is being specified by many Tier 1 main contractors, architects and M&E Consultants.



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



# FlexiDry Projects

Recent projects where FlexiDry floor screeds have been installed include.....



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*



**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# One Hyde Park, Knightsbridge





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# The Lancasters - 77 luxury apartments overlooking London's Hyde Park





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# The new Beaconsfield Service Station off the M40





**FlexiDry®**  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Stoke Park – Country Club & Resort in Buckinghamshire





**FlexiDry®**  
Global Ltd

INNOVATORS IN SCREED SCIENCE

# Watermark Place London - New Riverside Development





**FlexiDry®**  
Global Ltd

INNOVATORS IN SCREED SCIENCE

A number of schools in the Building Schools for the Future (BSF) program





**FlexiDry**<sup>®</sup>  
Global Ltd

INNOVATORS IN SCREED SCIENCE

Why would you wait 110 days  
for screed to dry when you can  
use FlexiDry floor screeds?



*F<sub>1</sub>* *F<sub>2</sub>* *F<sub>3</sub>*

