



Technical data sheet

KEMFLOOR ULTRA

Kemfloor Ultra is a high performance screed admixture specifically designed to produce high early strengths, low shrinkage and fast drying screeds.

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DESCRIPTION

Kemfloor Ultra is an innovative blend of materials which results in a screed additive capable of producing **extraordinary results**. Kemfloor Ultra has excellent dispersion properties to improve admixture dose efficiency and performance consistency.

Key benefits of Kemfloor Ultra are:



ENHANCED
WORKABILITY



EXCELLENT WATER
REDUCTION



HIGH EARLY STRENGTH
DEVELOPMENT



INDUSTRY LEADING
DRYING TIMES



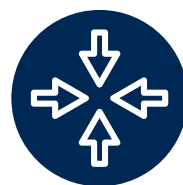
REDUCED
CURLING RISK



NO AGITATION
REQUIRED



REDUCED
CRACKING RISK



REDUCED
SHRINKAGE RISK

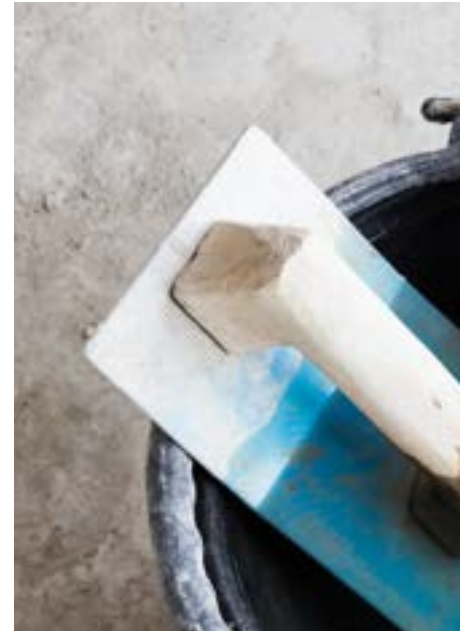
Adding **Kemfloor Ultra** to your screed improves ease of placing and finishing leading to quicker access for trades, allowing you to realise potential **project savings** due to **faster** completions.

APPLICATIONS

Kemfloor Ultra has been designed to be used with all cement based semi-dry screed applications and flooring types:

- Bonded
- Unbonded
- Floating
- Underfloor heated
- Large section

**Screed should be laid in accordance with BS8204.*



DEPTHS & FOLLOWING TRADES



BONDED SCREEDS FROM 25MM THICK



UNBONDED SCREEDS FROM 35MM THICK



FLOATING SCREEDS FROM 35MM THICK



SUITABLE TO RECEIVE FOOT TRAFFIC AFTER 24 HOURS



SUITABLE TO RECEIVE SITE TRAFFIC AFTER 48 HOURS



TILES CAN BE LAID AFTER 48 HOURS



ALL COVERINGS LAID AFTER 72 HOURS

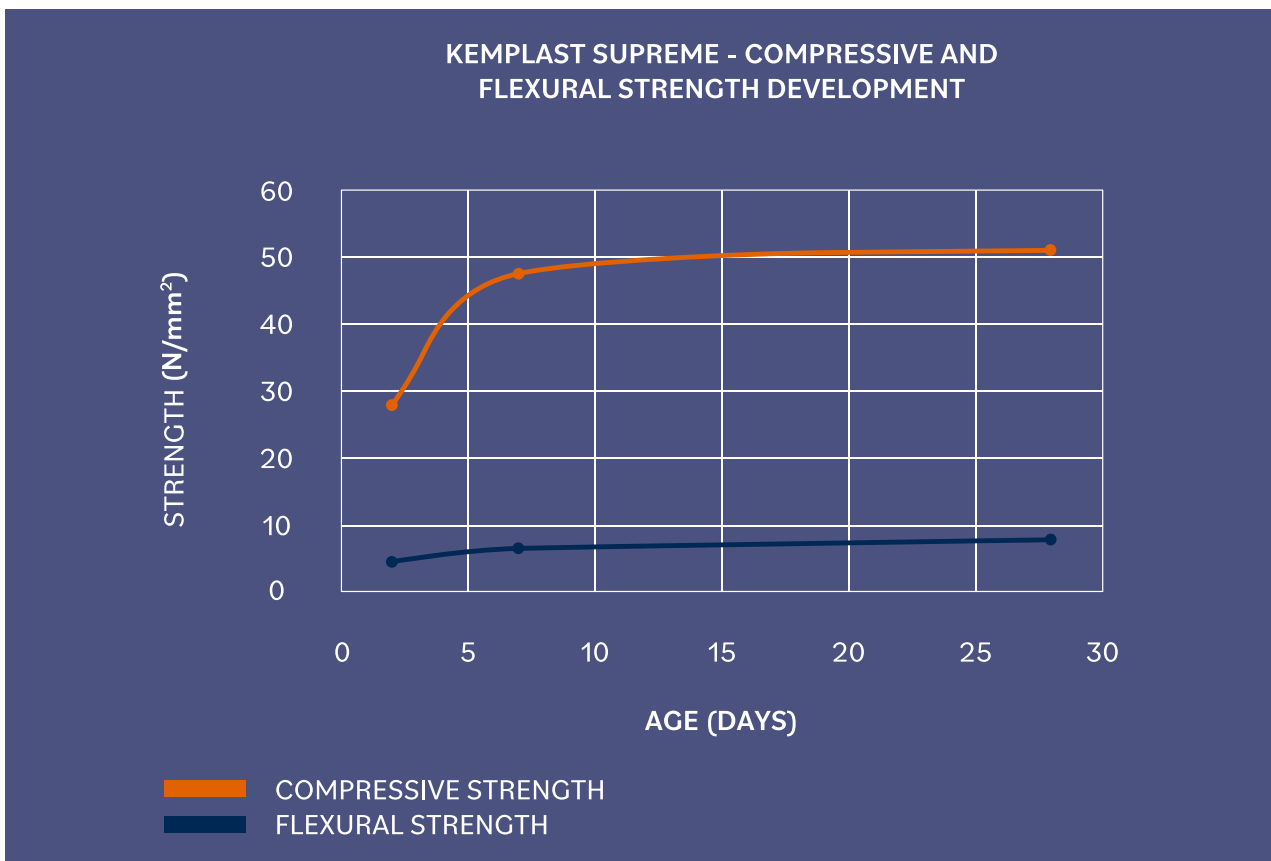
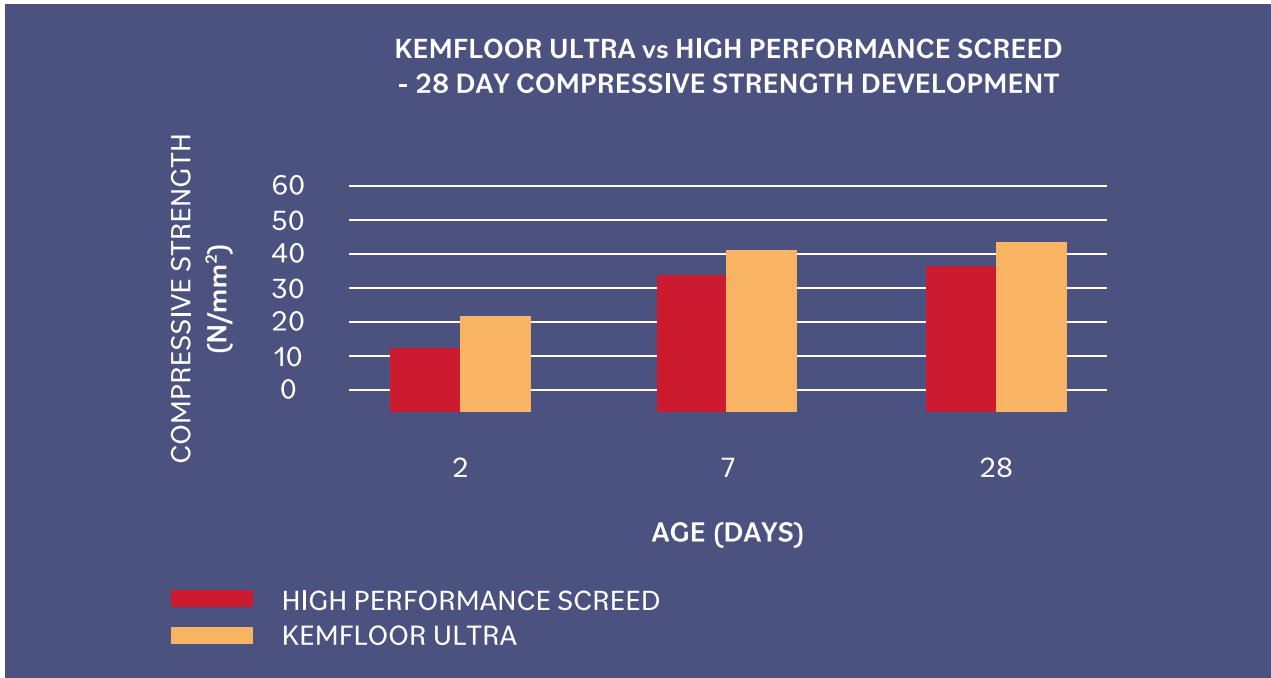
**Subject to site conditions, ambient temperature/humidity and retardation period.
**A confirmation of the residual moisture content of the screed should be undertaken before the application of subsequent floor coverings. Installation of subsequent floor coverings must follow manufacturer's instructions.*

N.B. Underfloor heating pipes require a minimum of 30mm coverage in accordance with BS 8204.

PERFORMANCE

The following graphs show the performance of Kemfloor Ultra when tested in a standard 1:4 mix design against a high performance screed additive.

All tests were carried out under standard laboratory conditions in accordance with BSEN 13813



ADDITION RATES

The dosage rate will be dependent on the mix design, mixing processes, aggregate grading and fines.

The recommended dosage levels are:

- **0.4% - 1.0% by weight of cement.**

** The optimum dose and water content should be determined by carrying out appropriate laboratory and site trials.*



MIXING INSTRUCTIONS

Add the Kemfloor Ultra to the screed mix with the mixing water and mix for a minimum of 1 minute or until a homogenous mix is achieved.



STORAGE

Kemfloor Ultra has a shelf-life of 12 months if stored in its original packaging and must be stored between +5°C and +35°C.

If the product has been exposed to freezing temperatures or excessive heat some separation could occur. If any separation is seen due to prolonged periods of standing, freezing or heat then the material should be agitated before use.

In any uncertainty, material should be assessed by Cemkem.



PACKAGING

Kemfloor Ultra is supplied in 10 litre bottles and IBCs. Alternative bottles can be sourced upon request in addition to.

SAFETY CONSIDERATIONS

- Full MSDS available on request.
- Avoid contact with skin and eyes.
- Protective goggles and gloves should be worn at all times.
- The product is not classified according to the CLP regulation.

TECHNICAL DATA

Appearance	Milky - beige liquid
pH	5.2 -6.4
Bulk Density (g/ml)	1.11 ± 0.025
Water Solubility	Completely soluble