

OPTOMIX FC

Foaming Agent

PRODUCT DESCRIPTION

Optomix FC is a highly concentrated foaming agent used for producing Controlled Low Strength Material (CLSM) and low density foam concrete. It can be added directly to the concrete, or for extra performance through a foam generator.

APPLICATIONS

Optomix FC is suitable for the following applications:

- Trench fill
- Floor fill.
- Unstable soil replacement.
- Pipe bedding.
- Void fill.
- Culverts/sewers.
- Cellars/basements.
- Old storage vessels/tanks.

BENEFITS

- Highly mobile material.
- Entrains air up to 30% (neat).
- Reduced densities (foam machine).
- Increases yield.

PROPERTIES

Nature:	Liquid
Appearance:	Clear Opaque
Specific Gravity: (20°C)	1.02 g/cm ³
pH:	>11.5
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.50

ADDITION RATES

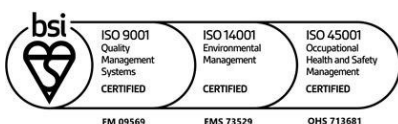
Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

200mls - 1200mls per 100 kg cement
(0.20% - 1.20% by weight of cement)*

* Added neat **Optomix FC** will give air contents of up to 30%, trials will need to be carried out to determine the actual dose. Low densities can be achieved by using the correct foam generating equipment. When using the foam generating equipment a solution of 4 litres **Optomix FC** to 100 litres of water will make a 4% solution.

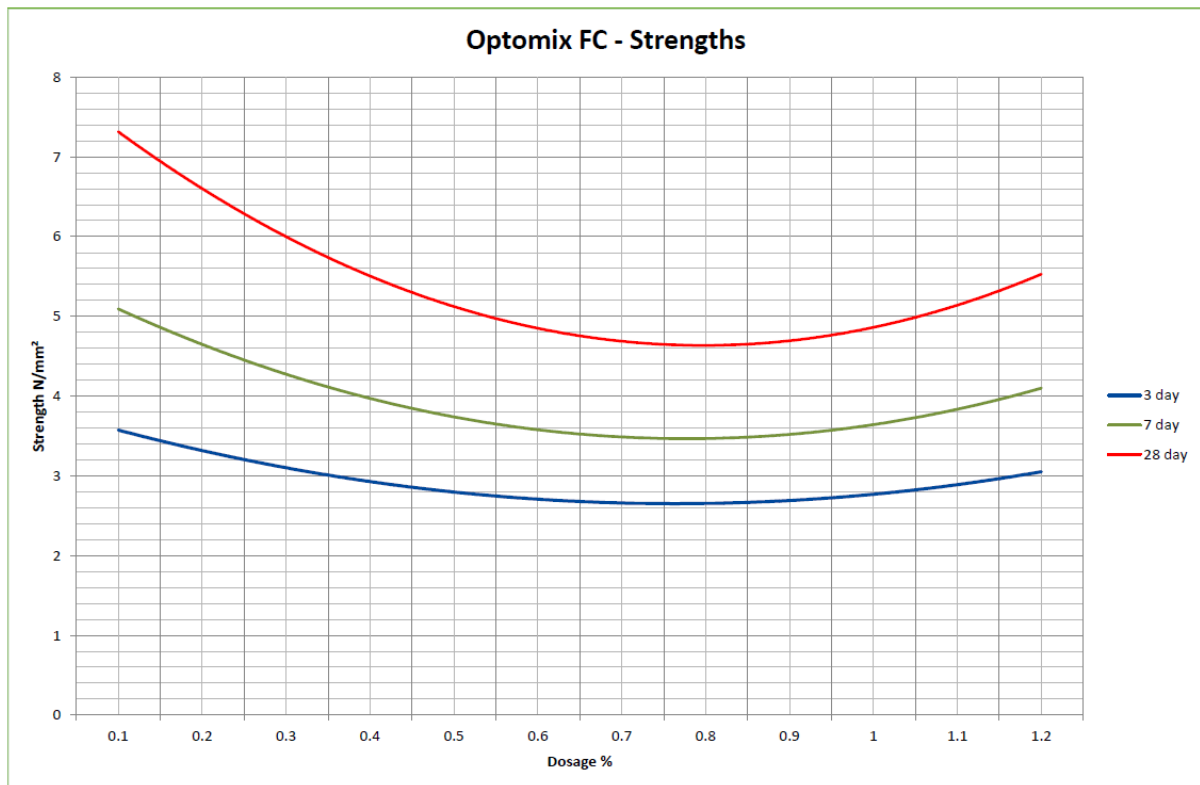
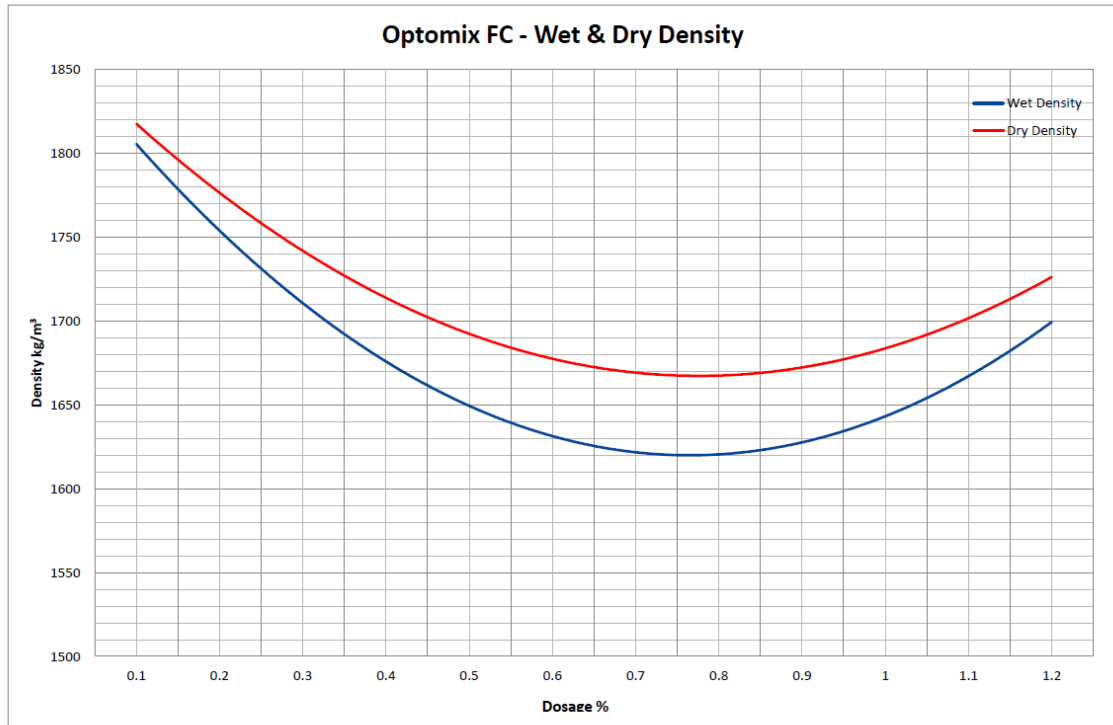
STANDARDS

Optomix FC is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

Optomix FC is compatible with all types of EN197 cement systems.

Optomix FC should not be pre-mixed with other admixtures and should be batched separately.

STORAGE

Optomix FC should be stored undercover and protected from extreme temperatures, if stored between the range 5°C to 30°C the product will have a minimum shelf life of 12 months.

HANDLING

Please refer to the **Optomix FC** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

PACKAGING

200 litre drums, 1000 litre IBC's and bulk deliveries.

NOTES

Optomix FC should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Optomix FC** may be used after thawing slowly at room temperature followed by intensive remixing.

Optomix FC if overdosed will result in an increase in air content and a reduction in strength, severe overdosing will result in the concrete not being fit for purpose.

Please consult the OSCRETE technical department for advice on admixture selection.

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Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

