

OPTOMIX A70

Air Entraining Admixture

PRODUCT DESCRIPTION

Optomix A70 is a specially formulated blend of synthetic surface agents designed to entrain controlled and stable quantities of air in mortars and screed. **Optomix A70** has been developed to improve the water retentivity, air stability and aesthetics of ready to use mortar.

APPLICATIONS

Optomix A70 is used to entrain controlled and stable quantities of air into concrete and mortar which helps to increase the durability of the finished product.

BENEFITS in Mortar & Screed

- Increased resistance to freeze-thaw cycles.
- Increases retention of mix water.
- Reduces segregation.
- Increases yield.
- Produces stable air contents.

PROPERTIES

Nature:	Liquid
Appearance:	Amber
Specific Gravity: (20°C)	1.01 g/cm ³
pH:	>11.0
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.00

ADDITION RATES

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

Mortar

160mls—250mls per 100kg cement

(0.16% - 0.25% by weight of cement)*

(0.40% - 0.70% BWC for mixes containing lime)

* These doses will produce air contents of between 15.0—20.0% in mortar, trials to determine this fact must be carried out before starting any new contracts.

STANDARDS

Optomix A70 complies with the requirements of BS EN 934-3 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

Optomix A70 is compatible with all types of EN 197 cement systems.

Optomix A70 should not be premixed with other admixtures and should be batched separately.

STORAGE

Optomix A70 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 A70** 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 litres drums, 1000 litre IBC's and bulk deliveries.

NOTES

Optomix A70 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 A70** may be used after thawing slowly at room temperature followed by intensive remixing.

Optomix A70 if overdosed will result in an increase in air content and a reduction of strength, severe overdosing will result in the concrete being not 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.

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