

X-Mix Mortar AE/R

Plasticising, Retarding admixture for mortar

Product Description

X-Mix Mortar AE/R is supplied as a light brown coloured liquid which mixes readily with water in any proportions. It is based on polymerised resins and is free from calcium chloride and similar salts.

When added to the mortar X-Mix Mortar AE/R entrains a controlled quantity of air which imparts greater workability and cohesion to the mortar, and increases its durability once set. Use of X-Mix Mortar AE/R reduces thermal movement and drying shrinkage in the cured mortar.

X-Mix Mortar AE/R is used for long setting mortar which can be used easily up to 48 hrs.

Advantages

- Eliminates the need for lime in masonry applications
- Saves storage space and failures due to unsound lime.
- Improves moisture retention, reduces drying shrinkage
- Aids faster and smoother finishing
- Highly economical
- Improves mixes containing harsh sands
- Can be used in coloured mortars

Uses

Improves workability and trowelling properties of sand/cement mortars and renders, for faster and smoother finishing

Standard Compliance

X-Mix Mortar AE/R complies with BS4887 mortar air entraining admixtures. It also conforms with the recommendations of BRE Digest 160.

Application Properties

Appearance	Light brown liquid
Specific gravity	1.180 @ 23°C
Calcium chloride	Nil to BS 4887
Setting time	significant effect on setting time of mortars.

Packaging

210 litre drum or bulk supply.

Plasticising action

X-Mix Mortar AE/R entrains a controlled amount of microscopic air bubbles which increase cohesion and provide lubrication to the sand particles in the mix, thereby imparting improved workability to the mortar.

Instructions for use

Typical Dosage

Direct to the mix: 0.3 to 0.6 litres/100kg of cement .

To the gauging water: 0.75 to 1.5 litres/100kg of cement for 48 hours retarding mortar

The nature of the sand will determine the optimum amount necessary. A plastering grade will require less and a coarse washed sand more. Site trials are recommended to determine the practical dosage in each case.

Effects of overdosing

Overdosing will result in increased workability, air entrainment and setting time.

Compatibility

X-Mix Mortar AE/R should not be mixed with any admixtures, without prior confirmation of NCC X-Calibur Technical Service Department.

X-Mix Mortar AE/R is compatible with any type of portland, super sulphate or blast furnace cement.

Dispensing

The correct quantity of X-Mix Mortar AE/R should be measured by means of a recommended dispenser. Normally, the admixture should be added to the mortar with its mixing water to obtain the best results.

Shelf life

X-Mix Mortar AE/R has a minimum shelf life of 12 months provided temperature is kept within the range of -2°C to 30°C. Should the temperature of the product fall outside this range, contact your local NCC X-Calibur office for advice.

Clean Up

Spillages of X-Mix Mortar AE/R should be absorbed onto sand, earth or vermiculite transferred to suitable containers. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Health and Safety

This product is for industrial use only by trained operatives. It is not considered hazardous if used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg.

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Support Specialists ('ATSS') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATSSs.

Datasheet Validity

Ncc X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Systems Inc. makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. NCC X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

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Quality Statement
All Products manufactured by NCC X-CALIBUR or imported from X-CALIBUR companies world-wide are manufactured to procedures certified to conform the quality, environment, systems described in the ISO 14001:2004. ISO 9001:2000.



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