

# Technical Data Sheet

Date of compilation: 20/03/2023

## ARC MORTAR PLASTICISER

### DESCRIPTION

Arc Mortar Plasticiser is a plasticising/air-entraining admixture for site-mixed bricklaying and plastering mortars. It is manufactured from a blend of specially selected synthetic surfactants. Arc Mortar Plasticiser improves the workability of mortar for masonry, brickwork and sand/cement rendering without the need for lime. In addition, increases the resistance of the mortar to frost by entraining air.

Arc Mortar Plasticiser has been independently tested and conforms to EN 934-3:T2 standard. CE marked.



### BENEFITS

- Ready and easy to use
- Increases frost resistance
- Reduces cracking and “butterfly” effect
- Improved adhesion
- Very economical
- Increases workability and offers greater consistency and plasticity
- Improves hydration process and produces high quality plaster for brickworks, masonry and coatings
- Improved setting time
- Chloride free

### DIRECTIONS FOR USE

#### DOSAGE

Arc Mortar Plasticiser is typically used at a rate of 0.5L per 100kg of cement. Dosage rates to achieve the desired workability will depend on the class of mortar, ambient temperatures, sand quality and cement type. Trial mixes should be carried out to determine the optimum dosage rate. Use clean, sharp, well graded sand for mortar and render mixes. Thorough mixing of the mortar is essential. Mixing should continue until a uniform consistency is achieved.

#### COMPATIBILITY

Arc Mortar Plasticiser should be dispensed into the mixer with the gauging water. It should never be added to the dry cement. Arc Mortar Plasticiser can be used with all types of Portland Cements. Some cements or pozzolanic materials may require increased dosages.

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### RESTRICTIONS

All work should be carried out to current best practice and industry guidelines. Fresh mortar must be contained in non-porous containers or similar, and the storage containers covered with polythene to prevent drying out. Protect the materials from frost. Dampen down bricks and blocks prior to use. Sands for masonry mortars must be evaluated for their suitability before use. Sands containing a high silt content may not be suitable. Trial mixes must be carried out to ascertain optimum working dosages. Severe overdosage can cause extensive air entrainment leading to weak, crumbly mortars.

### PROPERTIES

Property	Value
Form	Liquid
Specific Gravity	≈1.01g/ml
pH	7.0 - 9.0
Chloride Content	< 0.1% w/w
Freezing Point	0°C
Dosage	Typically 0.5L per 100 kg cement

### STORAGE & PACKAGING

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +4°C and reconstitute by mechanical agitation only, before carrying out trials to ensure suitability for continued use. Shelf life is 12 months in unopened manufacturer's containers. Supplied in 5lt and 25lt containers.

### HEALTH & SAFETY

For more information and precautions for use refer to the safety data sheet.

### NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail [technical@arcbuildingproducts.ie](mailto:technical@arcbuildingproducts.ie). Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.