

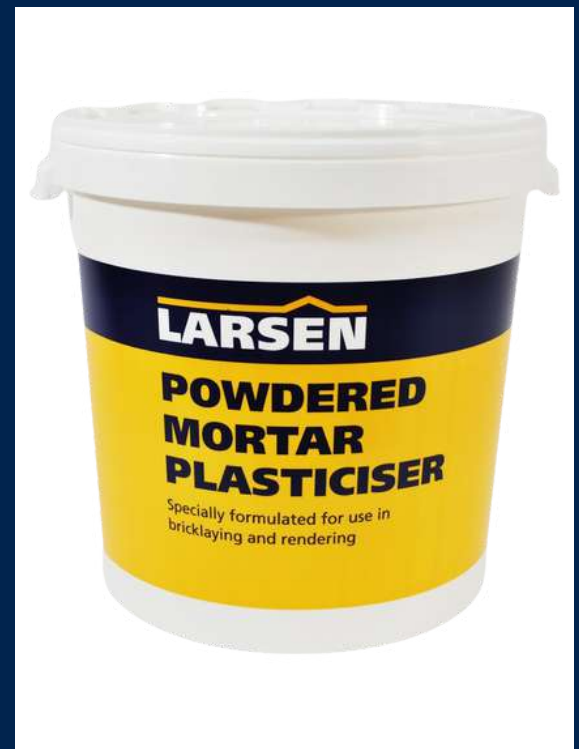
**LARSEN****ADMIXTURES****TECHNICAL DATA SHEET**

# Powdered Mortar Plasticiser

**BS EN 934****EASILY HANDLED****REPLACES LIME****INCREASES FROST PROTECTION****REDUCES SHRINKAGE AND CRAZING****CHLORIDE-FREE**

Powdered Mortar Plasticiser is a concentrated plasticising/air-entraining admixture for site-mixed bricklaying and plastering mortars. It is manufactured from a unique blend of surfactants, which ensures consistent performance of mortars.

Powdered Mortar Plasticiser improves the workability of mortar for masonry, brickwork and sand/cement rendering. In addition, it increases the resistance of the mortar to frost by entraining air.



## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

FORM	Powder
COLOUR	Off-white
PACKAGING	25kg plastic tubs
STORAGE CONDITIONS	This product must be stored in closed containers in dry conditions protected from extremes of temperature.
SHELF LIFE	12 months in unopened manufacturer's containers

### TECHNICAL INFORMATION

CHLORIDE CONTENT	< 0.1% w/w
DOSAGE	25-50g per 100 kg cement
HEALTH & SAFETY	Causes irritation to respiratory system - wear suitable protective equipment

Powder Mortar Plasticiser is typically used at a rate of 25-50g per 100kg of cement. For best results, add the powder to the mixer before adding the cement. Powdered Mortar Plasticiser can also be added directly to the gauging water, add approximately 50-100g per 200L of water (only gentle mixing is required). Dosage rates to achieve the desired workability will depend on the class of mortar ambient temperatures, sand quality and cement type. Thorough mixing of the mortar is essential. Mixing should continue until a uniform consistency is achieved. For advice, contact Larsen Technical Department.

As a guide - Mix designation, compressive strength and composition for prescribed mortars without lime:

Traditional Mortar Designation	BS EN 998-2 Class	Nominal Volume Proportions	Typical Weight Proportions
		<u>Cement:Sand</u>	Cement %
(i)	M12	1:3	20.5-25.0
(ii)	M6	1:3-4	16.0-25.0
(iii)	M4	1:5-6	11.5-16.5
(iv)	M2	1:7-8	8.5-12.5

## DIRECTIONS FOR USE

### DIRECTIONS FOR USE

#### COMPATIBILITY

Powder Mortar Plasticiser should ideally be added to the sand before adding cement and water. It should be dispensed separately to waterproofers and other additives. Lower dosages may be required when used in conjunction with some waterproofers. Powder Mortar Plasticiser can be used with all types of Portland Cements. Some cements or pozzolanic materials may require increased dosages.

#### RESTRICTIONS

The mortar should be selected by reference to the British Standard Code of Practice for Use of Masonry BS 5628. All work should be carried out to current best practice, industry guidelines and British Standards. 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.