

SILO PLASTERING MORTAR



Larsen Silo Plastering Mortar is a factory produced high quality General Purpose Render specially designed to EN 998-1 for multi-coat hand application. It is manufactured from a controlled blend of sands, cements, and additives to give a high quality rendering product, which is suitable for use in external rendering and internal plastering.



FACTORY PRODUCED
VARIETY OF FINISHES
EN 998-1

TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Granular
COLOUR:	Natural Grey
MAXIMUM AGGREGATE SIZE:	3mm
HAZARD INFORMATION:	IRRITANT – Consult Safety Datasheet before use
CLEANING:	Clean tools, equipment etc. using warm water. Mechanical means are necessary when the product has set.
PACKAGING:	Bulk Site Silo
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	3 months in closed Site Silo
APPLICATION INFORMATION	
WATER DEMAND:	Approx. 15%
APPLICATION TEMPERATURE:	+3°C to +30°C
WORKING TIME:	2 - 4 hours
THICKNESS:	Up to 15mm per layer
COVERAGE:	1.8 kg/mm/m ²
PERFORMANCE INFORMATION (EN 998-1)	
HARDENED DENSITY:	1800 kg/m ³
COMPRESSIVE STRENGTH:	CS III
CAPILLARY WATER ABSORPTION:	W 0
ADHESION STRENGTH:	> 0.5 MPa
REACTION TO FIRE:	Class A1

DIRECTIONS FOR USE:

FIELD OF APPLICATION

Application of a multi coat of render onto external and internal walls and facades constructed from block, brick and other rigid substrates either for direct finishing or as a base layer for paint or other render finishes.

SUBSTRATE

Substrates to be rendered should be examined for contamination, deterioration, surface roughness, suction and strength. Dust and contamination such as residues of concrete release agents, gypsum plaster, paint, other coatings, organic growth, salts and efflorescence should be removed prior to rendering. Salts and efflorescence should be removed by dry brushing (non-metallic bristles). Other special precautions may need to be taken if this removal is not achievable. The line and flatness of the substrate should also be assessed to determine if the render can be applied to a uniform thickness or if dubbing out is required. The substrate should be reasonably dry and free of frost, with a temperature of +5 °C or above at the time of rendering. It is important for the wall not to be too wet at the time of rendering. Walls that have recently been exposed to heavy rain should be allowed to dry out sufficiently before rendering is attempted.

PREPARATION

Larsen Silo Plastering Mortar should only be applied to mature stable surfaces. A minimum of one month should be allowed following completion of the wall construction before application of the render commences. In slow drying situations, a longer interval should be allowed. All substrates must be clean, sound and dust free, as the render relies on a combination of suction and surface texture to achieve bond. The recommendations set out in EN 13914-1 and BS 5262:1991 should be followed. It is essential that all steps are taken to ensure that a satisfactory bond is achieved between the render and the substrate. If the substrate suction is very high, low or uneven the use of a preparatory treatment, metal lathing should be used.

APPLICATION

Traditional multi coats can be achieved by application of a base coat (scratch coat) followed by a finishing coat when the base coat is sufficiently hardened. The render should have a uniform thickness of no less than 15mm. The product can be finished to the desired specification i.e. wood float, sponge float or nap finish. In sunny weather, work should commence on the shady side of the building and be continued, following the sun to prevent the rendering drying out too rapidly.

MIXING

The mortar contains all components necessary for the production of a general purpose plastering mortar with only the addition of water. When supplied in bulk, a suitable mechanical mixing station should be used and water addition set to ensure desired workability is achieved. Water supply should be set up in such a way to ensure consistent pressure / flow rate is maintained. The mixed mortar should be stored in a suitable non-porous container and covered and will remain usable for 4-6 hours. Do not add extra water or attempt to rework mortar which has passed its working life. Excessive water addition will weaken the mix, delay setting times and adversely affect durability. Do not add further admixtures, cement or lime to the material. All required plasticisers are already incorporated into the mix.

RESTRICTIONS

Rendering should be carried out to current best practice, current building regulations and trade body recommendations. All work should be carried out by professional tradesmen. Site samples should always be prepared for approval where colour or finish is critical. In these instances it is recommended to match where possible all materials and methods to be used. Silo Plastering Mortar is manufactured from predominantly natural materials and as such may be liable to slight shade variations. Silo Plastering Mortar should not be applied when site or substrate temperatures are below 3°C or above 30°C. Efflorescence and Limebloom are natural phenomena affecting all cement based materials. Their occurrence is temporary and in no way affects the ultimate performance or durability of the facade. Occurrences can be minimised by always following best practice, avoid working in particularly cold or damp conditions and by protecting the façade from unfavourable weather conditions until the render is sufficiently cured to withstand them.