

BASE GP400PM



Larsen BASE GP400PM is a factory produced high quality General Purpose Render specially designed for hand and machine application to EN 998-1. It is manufactured from a controlled blend of sands, cements, lime, polymers and additives to give a high quality rendering product which is suitable for use in external rendering and internal plastering.



FAST TRACK
STRONG BOND
EXCELLENT CRACK RESISTANCE
WATER RESISTANT
FACTORY PRODUCED
EN 998-1

TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Granular
STANDARD COLOUR(S):	Natural Grey or White
MAXIMUM AGGREGATE SIZE:	2 mm
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:	25kg multi-wall paper sacks
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	6 months in unopened manufacturer's packaging
APPLICATION INFORMATION	
WATER DEMAND:	4 – 4.5L per 25kg bag
APPLICATION TEMPERATURE:	+3°C to +30°C
WORKING TIME:	Approx. 60 minutes
THICKNESS:	Up to 15mm per layer
COVERAGE:	Approx 1.8 kg/mm/m ²
TYPICAL PERFORMANCE (EN 998-1)	
HARDENED DENSITY:	1800 kg/m ³
COMPRESSIVE STRENGTH:	CS III
CAPILLARY WATER ABSORPTION:	W 1
ADHESION STRENGTH:	> 0.5MPa
REACTION TO FIRE:	Class A1

DIRECTIONS FOR USE:

FIELD OF APPLICATION

Application of a multi coat or single 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 BASE GP400PM 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

Larsen BASE GP400PM can be applied in one pass or may be applied first pressing a thin layer of material well into the substrate using a trowel and straight edge, followed by a second pass before the first layer sets ('wet in wet'). Continue to apply material until a flat surface is achieved at the desired thickness. 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 not 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

Add 4.5 -5L of clean water per 25kg bag. Mix with a heavy duty drill and paddle for 1-2 minutes or with a suitable continuous mixer/pump. Excess water will cause a loss of strength.

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 (i.e. substrate, spray machine, scratching tools, and tradesman). BASE GP400PM Render is manufactured from predominantly natural materials and as such may be liable to slight shade variations. BASE GP400PM Render should not be applied when site or substrate temperatures are below 5°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.