DATASHEET

Lithomex

Stone repair and restoration mortar

Specially formulated repair mortar based on Pure Natural Hydraulic Lime and aggregates for the repair or simulation of masonry, brick or stone.

Mixing and use:

Can be mixed manually or mechanically in a typical mortar mixer or with a whisk, adding approximately 1.1 gals water per 55 lbs bag of Lithomex used. Mix well for 3-5 minutes. Adjust final water content carefully to consistency required.
For small quantities mixed by hand, add just sufficient water to make a semi dry crumbly consistency, beat vigorously for a few minutes and carefully add a few drops of water at a time until desired consistency is achieved. (8 oz water to 3lbs Lithomex)
The application surface must be clean, free from dust and oils. On porous surfaces, ensure that suction is controlled by pre-wetting and apply Lithomex before this is fully dry. Never apply to surfaces that are over saturated or have standing water. Lithomex can also be applied on metal lath.

For application on dense impervious materials, please consult us.

The minimum thickness is ¼" (can be dressed or cut back to a feather edge when set).
For projection / moulded work, greater than 4" it may be necessary to pin and dowel.
Applied in thin layers it can be built out to 4" over a working day.
Applied in layers of up to 2" in one pass.
Lithomex is suitable for all types of casting.

Always dampen application areas. The mortar should be well pressed back in place..

Support where necessary with wires, anchorages, stainless steel fixings or formers, etc.

Simulation of stone / brick features, rough finishes, false joints etc. can be made approximately 5 hours from application (in damp cold weather up to 24 hours).
Shaping and forming of details can be carried out for up to 2 - 3 days after placing by scraping to profile or level with metal tools, such as the edge of a trowel or steel float however most shaping and finishing work can be done within 24 hours.
Fine finishes are achieved either by troweling at time of initial setting or by fine carborundum paper after the material is sufficiently hard (usually 7 days)

Carving, using appropriate tools, requires waiting up to a week or more depending on the weather conditions.

DATASHEET

Lithomex

Stone repair and restoration mortar

Where ashlar masonry or very finely jointed masonry has had considerable damage to the arises, flush finishing in Lithomex with a false struck joint is the ideal solution.

If building details are damaged and require repair prior to the façade being lime washed or painted, Lithomex will readily accept lime washes and paints.

On rendered areas Lithomex can be used to form decorative stone or brick features such as mouldings and cornices.
Lithomex's unique qualities allow it to be tooled, shaped and carved even weeks after the final set has taken place. This affords sufficient time to achieve the very highest standard of work with the best quality reproduction.

Technical Data

Bulk density:(kg/m^3) : 1325 â€“ 1360
Granulometry: from 0.8 to 0.08mm
Consumption: 1.6 to 1.7 kg. per m^2 per mm. of thickness

Setting time (in water with no surcharge): start -- 1h30min / end â€“ 2h30min. Tests on paste (water addition 18.7%)
.

Tests on hardened mortar (water addition at 18.7%)

Capillarity	2.06 gr.cm^2. √2 min	**LOW**	tested at 28 days
Water permeability	0.25 ml.m.day	**LOW**	tested at 28 days
Vapour permeability	0.75 gr.m^2.hour.mmHg	**VERY HIGH**	tested at 28 days

	Tensile Strength PSI	**Compressive** Strength PSI	**Elasticity** Moduli MPa	**Shrinkage** mm.m
7 days	319	899		0.81
28 days	346	1052	7690	0.85

The above details are given for information purposes only. Final dosages and application should be checked with our technicians. The Factory reserves the right to alter specifications.