

PRODUCT DESCRIPTION

PlekoRender Lime is a factory mixed lime based restoration render suitable for manual or spray machine application. It is composed of hydraulic binders, selected aggregates, and special chemical additives, and is designed for internal and external renovation and leveling works of mineral substrates. It is easy to use by just adding water, improving on-site quality control.

USES

High quality restoration render for interior and exterior use on masonry bricks, blockworks, concert sand stone... Particularly suitable for old heritage building renovation And Middle Eastern climate.

APPROVED SUBSTRATES

PlekoRender Lime can be used directly onto rough surfaces such as block walls and bricks. Application on smooth surfaces such as cast-in-place concrete, precast concrete and fair-face blocks can be direct however for superior performance application of spatter dash / bond coat such as PlekoPlaster SD is recommended.

PACKAGING

25 or 50 kg in multiply paper bag or 1-1.5Ton in jumbo bag

COVERAGE / YIELD

Approx. 1.3-1.35 Kg/mm/sqm. Recommended thickness between 10-20 mm per layer. 1 ton yields approx. 755L Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques.

PROPERTIES

- **Crack Free**
- **Economical**
- **Superior Workability**
- **Manual or Machine application**
- **Factory Controlled Quality**

TECHNICAL DATA

Appearance	Free-flowing whitish powder
Bulk Density (Kg/L \pm 0.5)	1.35
Water Demand (%)	27-29
Working Life (min)	60-90
Recommended Thickness (mm)	10-20
Tensile Bond Strength* (N/mm ²)	\geq 0.5
Compressive Strength* (N/mm ²)	\geq 2

*after 28 days

Applicable Standards: BS EN 998-1 :2010; EN 1015-2; EN 1015-10; EN 1015-11; EN 1015-12; EN 1015-18; EN 12808-4

INSTALLATION

SUBSTRATE PREPARATION

Surface must be sound, clean, dry, free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form release agents and curing compounds. It should have been sufficiently cured in a way that any shrinkage has already occurred. Moisten slightly the substrate with clean water prior to application. Surface should appear damp with no water running.

For smooth surfaces such as cast-in-place concrete, precast concrete and fair-face blocks application of spatter dash / bond coat such as PlekoPlaster SD is highly recommended.

On weak friable substrates install metal lath and apply PlekoPlaster SD mixed with bonding aid from PlekoBond line. Cure for 24-48hours.

Cracks in the substrate should be repaired before applying render. Reinforcing materials, carriers, and corner/stop beads should also be installed prior plaster application.

MIXING

Use a clean container free of all foreign substances for preparing and mixing material. Use a heavy duty electric drill and mixing paddle. Add in small increments while mixing thoroughly to achieve lump-free consistency. Avoid working excessively to prevent air entrapment. Let mixture set for 5 minutes and re-temper. Small amount of clean water may be added if necessary to improve workability, but do not add water once the mixed mortar starts to harden.

For Spray Machine application adjust water flow rate to obtain optimum consistency for application.

APPLICATION

Apply PlekoRender Lime in a single layer up to 20 mm thickness. Level the applied material to a uniform thickness within 5 to 10 min of application. Once applied material starts to set smooth the surface using aluminum profile and floating tools / sponge to achieve desired appearance. Do not over trowel the surface.

For application thicker than 20 mm two layers procedure must be followed. First apply first layer (10-20mm) with rough finish (scratch coat) and let cure for 2 days. Then apply second layer with sufficient material and pressure to ensure tight contact and complete coverage of scratch coat. Once applied material starts to set smooth the surface using aluminum profile and floating tools / sponge to achieve desired appearance. Do not over trowel the surface

CURING

PlekoRender Lime should be cured by spraying clean potable water every 8-12hrs for a minimum of 3 days; in hot & dry conditions minimum 5 days to minimize the risk of surface cracks.

LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Avoid applying on hot surfaces.

Protect from direct sunlight, wind and rain during application

Do not mix with any additive or product unless recommended by Pleko.

Pleko bears no responsibility for the defects due to the improper or non-recommended use of the product.

CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use. After hardening, tools should be cleaned mechanically.

STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature between 4°C (40°F) and 38°C (100°F), in tightly sealed original container off the ground. Storage time must not exceed one year.

HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust.

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the

Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. Technical data are generated under laboratory conditions, some variations are expected due to weather, site, and application conditions which are beyond the control of the manufacturer. We reserve the right to change any given specification without notice.



PRODUCT DATASHEET

PlekoRender Lime

dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention.

The product is non-flammable