

LIMELITE HIGH IMPACT FINISHING PLASTER



PRODUCT DATA SHEET

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LIMELITE PLASTER PRODUCTS

NOV17

LIMELITE HIGH IMPACT FINISHING PLASTER

Description

Limelite High Impact Finishing Plaster is a flexible, breathable and durable finishing plaster designed to provide a quality finish over **Limelite** backing plasters. The finishing plaster can also be used over lime backgrounds, sand/cement mixes and existing gypsum plaster.

Limelite High Impact Finishing Plaster can be used as part of the **Limelite Renovating Plaster system**, which can be applied directly to damp walls or as part of flood remediation works.

Note that **Limelite High Impact Finishing Plaster** is not suitable for application onto plasterboard.

The plaster dries to an off-white, matt finish and can be left unpainted for a natural look if desired.

Uses

When applied as part of the **Limelite Renovating Plaster system**, **Limelite High Impact Finishing Plaster** is ideal for use in heritage restoration, renovation and damp environments.

Limelite High Impact Finishing Plaster is suitable for use in commercial and domestic environments where a high level of impact resistance is required.

Data	
Dry powder density	1000 - 1200 kg/m ³
Density air dried	1700 kg/m ³
Density oven dried	1690 kg/m ³
Compressive strength at 28 days	15 N/mm ²
Flexural Strength at 28 days	3.5 N/mm ²
Modulus of Elasticity	2,100 N/mm ²
Appearance as supplied	White/Off White Powder
Appearance after application (dried)	White/Off White Matt Surface
Thermal conductivity (k) at 0% moisture by volume	0.34 W/m°C
Thermal conductivity (k) at 3% moisture by volume	0.47 W/m°C
Setting Time (Temperature Dependant)	90 minutes

Thermal data above is obtained from CIBSE A3 Guide: Thermal Properties of Building Structures. Technical performance is derived by laboratory testing at 20-22°C.

Fire Resistance

Non-Combustible as defined in B.S. 476: Part 4 and can be designated Class O in accordance with the requirements of the National Building Regulations for use as a surface finishing material.

Model Specification

Limelite High Impact Finishing Plaster is associated with the following NBS clause:

M20 Plastered/Rendered/Roughcast coatings

- 330 PROPRIETARY LIME:SAND

Application Thickness	Area
2mm	400 m ² /tonne
2mm	10m ² / 25kg bag

Figures are approximate and do not allow for site wastage.

Mixing

For best results **Limelite High Impact Finishing Plaster** should be mixed in a clean mixing vessel using a mechanical mixer such as a slow-speed drill and paddle mixer.

Fill bucket with approximately 7.5 litres of clean water and add 25kg of dry powder to the water and mix for 2-3 minutes until a smooth, homogeneous working consistency is achieved.

Allow to rest for 3 - 5 minutes, then re-mix back to consistency adding small amounts of water if necessary.

Application

For use as part of the Limelite Renovating Plaster System

Limelite High Impact Finishing Plaster should be applied in a single coat of between 2-5mm thick. The plaster should be left to set for 90 minutes before using stainless steel trowels to level. Note that **Limelite High Impact Finishing Plaster** has a matt finish and should not be overworked.

For use over existing plaster finishes

Existing plaster should be clean, level and in good condition. The wall should be primed with **Limelite Easy-Bond** and **Limelite High Impact Finishing Plaster** should be applied once the primer is tacky. **Limelite High Impact Finishing Plaster** should be applied in a single coat of between 2-5mm thick. The plaster should be left to set for 90 minutes before using stainless steel trowels to level. Note that **Limelite High Impact Finishing Plaster** has a matt finish and should not be overworked.

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Decoration

Limelite plasters can be decorated 24 hours after application of **Limelite High Impact Finish**. Paints used must be breathable, such as mineral based or water based paints.

Wallpaper and tiling is not recommended, however, to avoid damaging decorative finishes, the moisture content of the plaster must be checked and deemed suitable by the supplier of the decorative finishes before application.

Tiling

Limelite High Impact Finishing Plaster is not compatible with cementitious tile adhesives, tiles should be applied directly to the floating coat when set and dried. If tiles are applied directly to the finishing plaster then it must first be treated with a suitable primer.

Quality Control

Limelite products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

Clean Up & Spillages

Dry powders should be swept up and disposed of in accordance with Local Authority regulations.

Tools and equipment can easily be cleaned using water. Cleaning of tools and equipment should be carried out as soon as possible after application.

Packaging & Storage

Limelite High Impact Finishing Plaster is available in nominal 25kg bags palletised and shrink wrapped.

Palletised **Limelite High Impact Finishing Plaster** should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high. The product should be used on a first in – first out basis. Shelf life is a minimum of 3 months when properly stored but can be in excess of 6 months subject to temperature and humidity.

Individual bags of **Limelite High Impact Finishing Plaster** should be stored in sealed original packaging in a dry location at temperatures between 5°C and 30°C. Avoid exposure to water, frost or heat - high temperatures and high humidity will lead to a reduced shelf life.

Health & Safety

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet.

Users are advised to wear protective clothing when using **Limelite High Impact Finishing Plaster** including face mask, goggles, gloves and overalls when handling, mixing and applying this product. Skin contact should be avoided and any eye contact should be dealt with promptly by irrigation with clean water.

Information, Prices & Ordering

If you have any questions about choosing the right product for your particular job, or if you are ready to order, please call us on:

03444 63 00 46

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