LIMELITE HIGH IMPACT FINISHING PLASTER

PRODUCT DATA SHEET

LIMELITE HIGH IMPACT FINISHING PLASTER

LIMELITE PLASTER PRODUCTS

AUG18

LIMELITE HIGH IMPACT FINISHING PLASTER

Description

Limelite High Impact Finishing Plaster is a 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 gypsum plaster and plasterboard is not breathable, and therefore the benefits of High Impact Finish will be negated when used over gypsum backgrounds.

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.

Features

- Suitable for heavily trafficked areas.
- Water vapour permeable.
- Suitable for damp buildings.
- Can be left unpainted for a natural, off white finish.
- Rapid drying – 24 hours per coat.

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.

Compatibility

Limelite High Impact Finishing Plaster is compatible with most plaster and render backgrounds, including sand and cement, lime, and gypsum. Note: gypsum plaster is not suitable for damp environments and using **Limelite High Impact Finishing Plaster** over the top of gypsum plaster should be considered decorative only in these circumstances.

Typical Performance

Technical 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	Fine white/off white powder
Appearance after application (dried)	White/Off White
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°C.

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Typical Coverage

Application Thickness	Coverage/25kg	Coverage/Tonne
2 mm	10m^2	400m^2

Figures are approximate and do not account 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, cool 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 required consistency adding small amounts of additional water if necessary.

Model Specification

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

M20 Plastered/Rendered/Roughcast coatings
• 330 PROPRIETARY LIME:SAND

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 matte finish and should not be overworked. Do not polish.

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 matte finish and should not be overworked.

Decoration

Limelite plasters can be decorated 24 hours after application of **Limelite High Impact Finishing Plaster**. 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.

Quality Control

Limelite High Impact Finishing Plaster is 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 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 – extremes in temperatures and high humidity will lead to a reduced shelf life.

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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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DoP No. 005

EN 13279-1:2008

Thin coat plaster finishing product C6/20/2

Reaction to fire:Euroclass A1

Direct airborne sound insulation: NPD

Thermal Resistance: NPD