



Caring for your older building
Natural Breathable Sustainable Durable

Ironstone Finishing Plaster Data Sheet

Product

A professional grade dry ready mixed Natural Hydraulic Lime Plaster

Mix Ratio – 2:5

Binder Strength – Heidelberg Materials NHL 2

Aggregate 1.5mm down washed blended sand

Factory blended using graded kiln dried sand and Heidelberg Materials Natural Hydraulic Lime binder. Combined with carefully selected additives to improve the plaster physical and mechanical properties, whilst maintaining all the virtues of a pure Natural Hydraulic Lime plaster.

Usage

Suitable for finishing plaster coats. For use internally in building conservation where the binder strength is appropriate for the host background / surface.

Do not use this product below 5 degrees or if freezing conditions are predicted over the following few weeks. Do not use this product in temperatures above 30 degrees.

Coverage

After mixing, a 25kg bag will produce approximately 15 litres of mortar. A single 25kg bag will cover 5m² at 3mm thickness onto a flat wall.

Advantages

- Quality controlled production
- Features the feel of a modern plaster
- Significantly improved workability and reduced risk of shrinkage
- Slower drying; better curing

Colours

This product is entirely natural. The Ironstone finishing Plaster is made with a fine brown sand which gives a light brown plaster when floated. This plaster gives a lightly textured finish when floated with a plastic or wooden float, the finish is quite smooth when sponged but still moderately textured.

Surface Preparation

Dense impervious backgrounds will require little to no dampening, whereas very porous backgrounds will require adequate dampening to prevent rapid drying. Ensure surfaces are clean and free of dust and other debris.

How to Mix

A 25kg bag of mortar will require 4.6 to 5.4 litres of clean water. Always avoid making the mix too wet, as this can promote shrinkage issues.

First add around 60-70% of the water followed by the Ironstone Basecoat Render and mix until the water is fully distributed, then add additional water to the desired consistency. Mix for 5 – 10 minutes. Ironstone Basecoat Render may be re-worked for up to 14hrs.

Whisk mixers are also suitable for use.

Like most lime renders and plasters this blend will benefit from quenching. Allow the mix to stand for 10 to 20 minutes after mixing before use.

Areas of Use

Our Ironstone Finishing Plaster is a topcoat plaster for application on Ironstone Basecoat Plaster, Cornerstone insulating Plaster, Wood wool render carrying boards like Celenit. Or sound old lime plaster

How to Apply

Always wet a substrate, including previous plaster layers, to control suction before use. However, you don't want to be laying onto water sitting on the surface as this will act as a slip layer.

When applying over Ironstone Basecoat plaster apply at a target thickness of 4-5mm and finish by floating plus optional sponging.

When applying to Cornerstone insulating plaster apply at a target thickness of 4-5mm and finish by floating plus optional sponging.

When applying to render carrying Wood wool boards. Apply following 'one coat, two passes' of Ironstone Basecoat plaster. Waiting 7 days before applying the finishing coat at a target thickness of 3-5mm, finishing by float and optional sponging.

When applying over old sound lime plaster use the Ironstone mineral primer first before applying at a target thickness of 3-5mm and finish by floating plus optional sponging.

Curing

After application the plaster should be kept damp to promote the cure by mist spraying, and protected from direct sunlight / drying winds.

Packaging

Available in 25kg polythene lined paper bags or sealed one tonne bulk bags. The paper used is suitable for recycling.

Performance

Test	Performance
Compressive strength Nmm ²	1.58
Fresh Mortar density Kg/m ³	1806.96
Water Absorption Kg/m ²	1.84
Flexural strength Nmm ²	.422
Water Addition Rate ml per 1kg	193.92
Dried Mortar Density Kg/m ³	1595.44
Air Entrainment %	14.33

Health and Safety

Risk Phrases	Safety Phases
R36/37/38 Irritating to eyes, respiratory system and skin	S22 Do not breathe dust
R43 Contact with wet or tar may cause irritation, dermatitis and/or burns	S26 In case contact with eyes, rinse immediately with plenty of water and seek medical advice
R66 Repeated exposure may cause skin dryness and cracking	S24/25 Avoid contact with skin and eyes
	S36 Wear suitable protective clothing



Manufactured in UK in partnership with
Heidelberg Materials Socli

Ironstone products are CE marked and
manufactured under an ISO9001:2015
accredited Factory Production Control System



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