Ironstone
Mortars
Caring for your older building
Natural Breathable Sustainable Durable

Ironstone Superfine Finishing Plaster Data Sheet

Product
A professional grade dry ready mixed Natural Hydraulic Lime Plaster
Mix Ratio – 1:1.5
Binder Strength – Heidelberg Materials NHL 2
Aggregate 0.5mm down silica sand and crushed limestone

Factory blended using graded kiln dried sand and Heidelberg Materials Natural Hydraulic Lime binder. Combined with carefully selected additives to improve the plasters 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 20kg bag will produce approximately 18-19 litres of plaster. A single 25kg bag will cover 8-10m2 at 2mm 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 Superfine Finishing Plaster is made with a light cream silica sand and crushed limestone, this gives a nearly pure white finish when trowelled or an off-white when sponged.

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 7.5-8.5 litres of clean water. Always avoid making the mix too wet, as this can promote shrinkage issues.

First add around 80-90% of the water followed by the Ironstone Superfine Finishing Plaster and mix until the water is fully distributed, then add additional water to the desired consistency. Mix for 5 minutes. Ironstone Superfine Finishing plaster 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 Superfine Finishing Plaster is a fine topcoat plaster for application on Ironstone Basecoat Plaster, Ironstone Finishing Plaster, Cornerstone Insulating Plaster 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, Ironstone Finishing plaster, Cornerstone Insulating plaster then apply the first pass at a thickness of 1mm, let this pull in and stiffen before going over with a second pass at 1mm. The overall target thickness should be 2mm, and a maximum of 3mm. Finish by floating plus optional sponging.

When applying over old sound lime plaster use the Ironstone mineral primer first before applying the first pass at a thickness of 1mm, let this pull in and stiffen before going over with a second pass at 1mm. The overall target thickness should be 2mm, and a maximum of 3mm. 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.

Storage

This product should be stored in dry conditions, in unopened bags and clear from the ground. Reseal part bags after opening if unused product present. Use within 6 months of manufacturing date (provided on each bag).

Performance

Test	Performance
Compressive strength Nmm2	2.967
Fresh Mortar Density Kg/3	1857.56
Water Absorption Kg/m2	2.34
Flexural strength Nmm2	.498
Water Addition Rate ml per 1kg	293.53
Dried Mortar Density Kg/m3	1464.97
Air Entertainment %	4.06

Health and Safety

Risk Phrases	Safety Phrases
R36/37/38 Irritating to eyes, respiratory system and skin	S22 Do not breathe dust
R43 Contact with wet mortar may cause irritation, dermatitis and/or burns	S26 In case contact with eyes, rinse immediately with plenty 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