



# Ironstone Mortars

Caring for your older building

## Installation Guide

Ironstone Basecoat Plaster  
On Masonry

MADE IN PARTNERSHIP WITH HEIDELBERG  
MATERIALS SOCIETY



# Ironstone Basecoat Plaster

## On Masonry

Ironstone Basecoat plaster can be applied directly to brick, block and stone. It features the feel of modern plaster with extended working time, excellent workability and enhanced plasticity. For use internally in building conservation where the binder strength is appropriate for the host background / surface.

The addition of the fibres provides reinforcement and improved tensile strength of the scratch coat and assists to mitigate cracking on high suction backgrounds. Manufactured using Heidelberg Materials High performance NHL 2 binder and carefully selected kiln dried sands.

Important notes for use on Masonry:

- Dub out the wall by filling pockets, voids or missing pointing with a relatively stiff mix. After dubbing out a shallow scratch coat should be applied to areas filled. Allow 48hrs for this to stiffen sufficiently to take the scratch coat.
- For application on to very smooth or highly porous backgrounds then a coat of Ironstone Bonding Coat should be applied first

**Coverage** - A 25kg bag will yield approx 15 litres of mortar. A single 25kg bag will cover 1.5m<sup>2</sup> at 10mm thickness onto a flat wall.

**Preperation** - 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.

**Add Water** - A 25kg bag of mortar will require 4 to 4.5 litres of clean water. Always avoid making the mix too wet, as this can promote shrinkage. First add around 60-70% of the water followed by the Ironstone Basecoat Plaster and mix until the water is fully distributed, then add additional water to the desired consistency. Mix for 5 – 10 minutes.

**Quenching** - Lime mortars benefit from being left for 15 mins to fatten after mixing and can be reworked for up to 14 hours.

**Application** - Ironstone Basecoat Plaster should be used as a minimum two coat system as a single coat application will ghost through the background. A scratch coat of Ironstone Basecoat Plaster (fibred) should be applied at a target thickness of 10-12mm, this should be scratched using a crosshatch pattern scratch to approximately 1/3 of the depth of the plaster.

This coat should be left for 7 days to build up strength to take the float coat. During this time the plaster should be damp cured by mist spraying, and protected from direct sunlight / drying winds. The Ironstone Basecoat Plaster (unfibred) should then be applied as a float coat at a target thickness of 8-10mm and should not be thicker than the scratch coat.

**Finishing** - Floated with a wooden or plastic float to compress the surface, lime plasters should be stiffer than cement plasters at time of floating and shouldn't drag under the float. This coat should be devil floated to give a light key and allowed to cure for 5-7 days, before application of the Ironstone Superfine Finishing plaster.

**Curing** - After application the plaster should be kept damp to promote the cure by mist spraying, and protected from direct sunlight / drying winds, preferably with damp hessian, for two weeks.

**Temperature** - Do not use in temperatures below 5°C or above 30°C

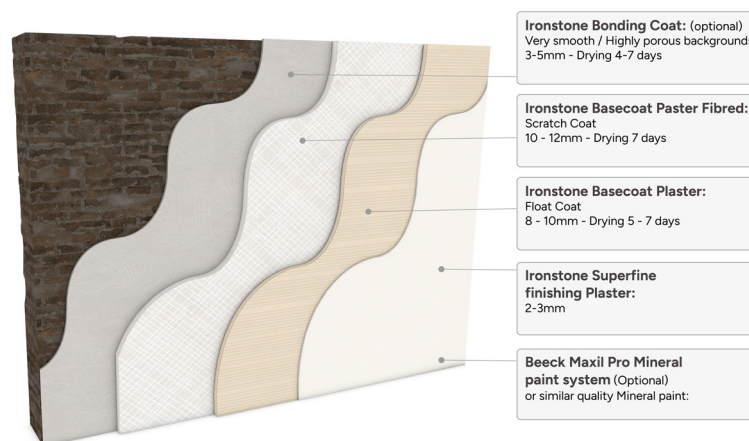
### Equipment required -

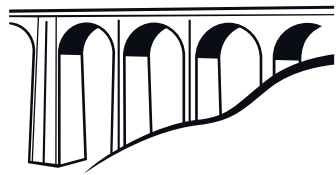
- Large Hawk
- Trowel
- Float
- Alkali Resistant Mesh
- Hessian Roll

### Masonry Walls plastered with Ironstone Mortar provide:

- Improved breathability
- Protection of masonry from frost and damp damage
- Long term durability
- Reduced susceptibility to sulphate attack
- Naturally flexibility reducing the chance of cracking
- Suitable for use on listed and heritage buildings
- Environmentally friendly - Lime mortars actively absorb CO2 from the atmosphere.

INTERNAL - Application to Stone / Brick substrate





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Manufactured in the 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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