



Ironstone Mortars

Caring for your older building

Data Sheet

Ironstone Brick and Stone Repair

Product

Ironstone Brick and Stone Repair Mix is a mortar for recreating and patch repairing bricks and natural stones in a wide range of colours. The Stone repair mix can be carved, sanded, dressed and shaped like stone to give a uniquely convincing look and feel.

Manufactured on site from Heidelberg Materials Restone mortar and Colour Blaze natural pigments.

This product is not suitable for concrete repair.

Coverage

A 12kg tub yields sufficient repair mortar for 0.5m² at 10mm

Advantages

- Quality controlled production
- Consistency of mix ratio
- Natural Elasticity to absorb minor building movements
- Breathable
- Entirely natural

Surface Preparation

The background must be assessed before work commences for the cause of decay and compatibility of the repair mix. Remove any loose or friable masonry, and any contamination. Stone or bricks which are heavily salt contaminated may not be suitable. Ensure the background is suitable for supporting the weight of the new material (10mm of Stone repair over 1m² weighs approx. 20kg). Brass armatures or stainless-steel lath may be required to support the mix on thicker build ups. Lightly dampen the substrate.

How to Mix

Carefully add the powder to clean water, using no more than 3 litres per 12kg tub. Mix for between 2 and 5 minutes until a workable consistency is achieved. After mixing the stone repair, apply a thin layer with a brush and leave for 10 minutes to ensure a good key for the first coat. Do not re-work. Do not use in temperatures less than 8°C or over 30°C.

How to Apply

Coats should be a minimum of 6mm and no more than 30mm. For multiple coats, key each coat and apply green on green. For carved or cut back finishes apply the mix slightly beyond the finished levels. As the mortar hardens it will become possible to cut and carve it back. A wide range of tools and techniques are suitable, and trials should be made. Our stone mix may also be run in situ for small repairs using traditional techniques.

Casting

Pour into a mould prepared with mould release oil, using vibration to remove air bubbles and allow to set. It is not suitable for very large cast pieces.

Curing

Prevent from drying out too rapidly, covering with hessian if necessary. Protect from frost for at least 48 hours.

Fixing

Enrichments and other pieces can be fixed mechanically or adhesively to facades. If fixed at height, bond tests or pull out tests will be necessary and should be arranged at the design stage

Packaging

Available in Availability In 1 /5/10/ 24kg tubs. The plastic used is suitable for recycling.

Storage

Store in a dry place free from damp and drafts. Use within 9 months.

Performance Data	
Fire Class	A1
Typical Compressive strength	8 to 10N/mm ²
Adhesion	To be determined after site tests
Capillary Absorption	0.5w/mk
Size of Aggregate	0-0.8mm
Mechanical Resistance @28 days	CS III

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

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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