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TECHNICAL DATA SHEET
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CAST STONE · BATH STONE FINISH

Bath Stone Repair Kit

Bath Stone coloured restoration mortar for repairing UKLintels cast stone

General

The Bath Stone Repair Kit contains a 1 kg bag of dry restoration mortar for repairing our Bath Stone cast stone, including cills, heads and keystones.

The mortar is mineral-based and free of synthetics. It is pigmented in the same Bath Stone colour as our cast stone, and the pigment is resistant to lime, cement and sunlight.

Please note: the shade of cast stone varies slightly from batch to batch and changes as the stone ages, so an exact colour match cannot be guaranteed.

At a glance

In the kit	**1 kg bag of dry mortar**
Colour	**Bath Stone**
For use on	**Cast stone cills, heads & keystones**
Material	**Mineral-based, synthetic-free**
Coverage	**Approx. 0.5 litre per bag**
Compressive strength (28 days)	**17.8 N/mm²**
Max. build-up per day	**20 mm**

Performance

The restoration mortar gives a very solid repair with a good finish.

Repair sequence

1. **Prepare the area**

   Make sure the area you are about to repair is free from dirt and loose material. If you are going to wash the stonework down, do this before starting any repair work.

2. **Dampen and prime**

   When the area is clean, slightly dampen it with water, then apply a waterproof PVA to the area being repaired. Do not let the PVA go outside this area.

3. **Mix and apply**

   Mix the dry mortar powder from the kit with a little water to a stiff texture. Only mix a small amount at a time. Apply the mix to the area and slightly overfill.

4. **Cut back flush**

   Using a steel trowel, or a piece of wood held flat on the stone, cut away the excess mortar in a circular motion until the repair is flush with the original stone.

5. **Smooth and clean the edges**

   Trowel out any imperfections so the repair is as smooth as the surrounding stone. If the repair has smudged around the edges, carefully clean it back to the edge using a small paint brush and a little water, so no white halo mark is left once the repair has dried.

6. **Deep repairs**

   For a large, deep repair, drill and fit stainless steel screws into the stone and wrap wire between them to give the repair something to grip. Build the area up by no more than 20 mm per day, scoring each layer, until you reach the required depth. Then repeat steps 2 to 5.

7. **Finish and seal**

   24 hours after the repair, lightly rub the area down with a fine carborundum stone (if required) and apply a clear water seal to the repaired area only. The repair is now complete.

Technical data

PROPERTY	VALUE
Coverage	
Per litre of cavity	**2.0 kg**
Per 1 kg bag (approx.)	**0.5 litre**
Flexural strength	
After 3 days	**0.66 N/mm²**
After 7 days	**2.22 N/mm²**
Compressive strength	
After 3 days	**1.64 N/mm²**
After 7 days	**6.40 N/mm²**
After 28 days	**17.8 N/mm²**
Shrinkage deformation	
After 7 days	**0.267 mm/m**
After 14 days	**0.102 mm/m**

Storage

Keep containers closed, dry and frost-free.

You'll also need (not supplied)

The kit contains a 1 kg bag of restoration mortar only. The repair sequence also uses:

- Clean water
- Waterproof PVA
- Steel trowel, or a flat piece of wood
- Small paint brush
- Fine carborundum stone (if required)
- Clear water seal
- Stainless steel screws and wire (deep repairs only)

Cleaning & safety

Clean tools and mixing vessels with water before the material hardens.

Take the normal precautions you would with any cementitious product. These may include barrier cream, protective gloves covering the hands and forearms, and a skin cleansing cream once work is finished. Wash any splashes to the skin or eyes immediately with plenty of water.

When using PVA or sealing products, refer to the relevant manufacturer's data sheets.

Important information

Recommendations for the use of this product are based on the latest facts and findings from the manufacturer's laboratories. Because substrates, site conditions and conditions of use vary, we cannot accept responsibility for the validity of any particular recommendation, and the purchaser or applicator remains responsible for making sure the material is suitable for its intended purpose. All sales of this product are subject to UKLintels Terms & Conditions of sale, available at uklintels.com.