

Bonstone[®] Historic Restoration Mortar (HRM)

Product Description

A two-component, fast setting, lime-based, latex modified patching mortar.

Product Features

- UV Stable
- Fast setting
- Breathable-moisture, permeable patch
- Resembles natural limestone finish
- No sanding or grinding
- Easier to use than Last Patch™ Limestone



Applications

- Historical building restoration
- Fill Dutchman joints
- Aesthetic patching and surface repairs to steps, sills, and edges
- Repairing pits and holes
- Can be used as a slurry coat



Specifications

Product Type:	Patching Mortar
Viscosity:	Mortar
Mix Ratio:	5:2
Set Time:	30 Minutes
Cure Time:	24 Hours
Pot Life:	20 Minutes
Application Conditions:	Interior, Exterior; Vertical, Horizontal
Recommended Application Temp:	75°F (24°C)
Coverage:	At 1/8" (3mm) thickness 7lb Kit: 75 ft ² or 70 cu. Inches / 63lb Kit: 675 ft ² or 630 cu. Inches
Available Colors:	Indiana Buff, Indiana Gray, Silver Buff, Neutral, Red Sandstone, Birmingham Buff, Mankato Cream, Mocha Cream, Mankato Pink, Dark Chocolate, Mountain Valley, Castagna Dark, Brownstone, Mankato Yellow, Amafil, Castagna Light
Sizes:	7lb (3.18kg), 63lb (29kg)
Other:	HRM maximum thickness is one inch per application. For a thickness greater than one inch, multiple layering applications are recommended.



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800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006



Video Available
<https://youtu.be/3Ud2nNg2ipc>

Surface Preparation & Use

Use gloves, wear eye protection and avoid skin contact. When grinding cured materials, wear a dust mask. Mix only the amount of material which can be used in 15 minutes. Clean uncured HRM, Historic Restoration Mortar from tools with hot, soapy water. Remove cured material mechanically. Application Thickness: HRM is recommended for maximum thickness of 1 inch per application. For a thickness greater than 1 inch, multiple layering applications are recommended.

Mixing Instructions

Minimum product and substrate temperature should be at or above 55°F (13°C). Priming: For best adhesion, do not apply product to dry surface, light misting of water is appropriate. Mix Part B well before using. Combine the two ingredients of powder and liquid until a slurry or knife-grade desired consistency is obtained. Determine the powder to liquid proportion that works and handles the best for your particular application. Use a straight edge trowel to spread the material. Lightly mist the repair mortar with clean water immediately after application. Allow to cure before carving, grinding, or shaping.

Temperature Dependency

The adhesive, substrate, aggregate, and environment's temperature will affect the working properties of the material. Minimum air temperatures should be at or above 50°F (10°C).

Shelf Life & Storage

Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F (24°C).

Limitations

Use on oil, grease, and coating-free substrate.

Safety

Before storing, mixing, or applying this product, read and understand all the product's Safety Data Sheets. For a copy of the SDS, contact Bonstone Materials at (800) 425-2214.

Warranty

This product's warranty is limited to replacement of defective material and freight charges to destination only. Bonstone Materials is not responsible for consequential damages.

Testing Data

<u>Strengths</u>	<u>Results</u>	<u>Test Method</u>
Tensile	Not available	Not available
Compressive	1,433 psi	ASTM-D695
Flexural	61,246 psi	ASTM-D790
<u>Modulus</u>		
Tensile	Not available	Not available
Compressive	Not available	Not available
Flexural	61,246 psi	ASTM-D790
Elongation: Tensile: Elongation at break	Not available	Not available
Shore D	Not available	Not available
Heat Distortion Temp	Not available	Not available
Shear Strength	Not available	Not available
24 Hour Water Absorption	Not available	Not available
Other	Moisture Vapor Permeability: 55.2 perms, ASTM C-580 Shrinkage: 0.24% ASTM C-157	



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