



TECHNICAL DATA SHEET

FILE UNDER DIVISION 4

1. PRODUCT NAME

LAST PATCH™ LIMESTONE

2. MANUFACTURER

Bonstone Materials Corporation

3. PRODUCT DESCRIPTION

A kit packaged exterior grade stone repair compound. Overfill of patch area, and grinding flush. The patch area resembles limestone texture.

This product exhibits far superior color stability and strength in freeze thaw conditions

Options:

Setup time

Fast 20 min@ 70F

Grinding 45 min@ 70f

Color

Std. Buff

Custom As required

Viscosity

Std. Knife Grade

Applications

- Overfill and grind patching
- Filling anchor holes
- Stone corner repair
- Capping material for crack repair

Limitations

Use on dry stone. Use on oil, grease, and coatings free stone. Store product at room temperature and limit humidity exposure. Do not store at or near freezing temperatures.

4. TECHNICAL DATA

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5. INSTALLATION

General Instructions

(CSI format specifications are available)

Surface Preparation and Use

Use gloves, wear eye protection, and avoid skin contact. When grinding cured product wear a dust mask. Substrate to be patched must be completely dry and dust free. Mix and apply the entire kit at one time. Avoid stressing the joint before complete cure of product. Mask areas which must be kept free of product. Clean uncured product from tools with toluol or xylol. (Use caution, these solvents are flammable. Ensure local ventilation.) Remove cured product mechanically.

Mixing Instructions

Last Patch™-Limestone has a mix ratio 7:1 by weight or "mortar-like" consistency. Product can then be tinted (do not exceed 5% by weight powder colorant addition or stone dust.) Apply with trowel or other implement into and over the area to be repaired. Latex gloves may be used to form & mold material when curing.

Temperature Dependency

The adhesive, substrate, aggregate, and environment's temperature will affect the working properties of the material. With all items at 70°F (21.1 °C) the standard product will set up in approximately 15-20 minutes. Grinding may be performed in several hours. Full cure 48 hours

6. AVAILABILITY

Packaging and storage

The Last Patch™ Limestone is available in quart units. Standard kits and quarts are Buff, knife

grade (like mortar consistency) product.

Modification of standard kits for color matching requires at least 2 weeks from time of order.

Shelf life is printed on the product label. It is generally 6 months to one year from date of packaging if kept in original, unopened containers. Shelf life of Part B is reduced substantially once container is opened. Store at room temperature (well above freezing) and at a relative humidity below 50%.

7. WARRANTY

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

8. MAINTENANCE

This product is designed for application in areas inaccessible to maintenance procedures. Some powerful etching compounds, especially those containing hydrofluoric acid, may degrade the material.

9. TECHNICAL SERVICE

Lab Service

- Sample patches can be made on stone forwarded to lab.
- Spectrophotometric color matching is available.

Specification Service

- Specifications on file
- Development of proposed specifications for special projects.

4. **TECHNICAL DATA**

LAST PATCH™ LIMESTONE

UV Stable, aesthetic repair compound

MIXED PROPERTIES

VALUES

TEST METHODS

Mix ratio

7:1 by weight or volume
Part A in quart container, 4 tubes part B

(Mix small amount with enclosed measuring cups)

- 1) Take one cup and fill it until it reaches the 1 oz mark with part "A". (This gives you 49 grams of "A")
- 2) Take another cup and fill it with part "B" until it reaches the 1 tsp mark. (This give you 7 grams of "B")
- 3) In a separate container combine both "A" and "B" from the above containers and thoroughly mix the material and immediately use.

Note: 4 (1 oz. cups) of part A equals 1 tube of part B

Mixed Viscosity at 75°F

General mortar consistency

Pot Life at 75 °F

2 minutes Std. high speed version

Set Up Time:

15 minutes @ 70F

Dry Grind:

2 hours @ 70F

90% Cure:

1-2 hours

CURED PROPERTIES

Strengths

Cohesive

Tensile

354.6 psi

ASTM D-638

Compressive

1,437 psi

ASTM D-695

Adhesive (on limestone)

Shear

522.6 psi

ASTM D-905

Moduli

Cohesive

Tensile

16,436 psi

ASTM D-638

Compressive

12,810 psi

ASTM D-695

Elongation

Cohesive

Tensile (at break)

2.425 %

ASTM D-638