



# TECHNICAL DATA SHEET

FILE UNDER DIVISION 4

## 1. PRODUCT NAME

**BONSTONE®**  
**Bon Patch--**  
**Asphalt**

## 2. MANUFACTURER

Bonstone Materials Corporation

## 3. PRODUCT DESCRIPTION

A two-component, epoxy-based, heavy-duty patching material for asphalt.

### Basic Uses:

- Asphalt patching (driveways, paving, etc).
- Bonding stone or hardened concrete to hardened concrete
- Bonding new concrete to existing concrete
- Anchor bolt adhesive
- Bonding stone and concrete to other construction materials
- Bonding stone to stone
- General purpose adhesive for wood, concrete, metal

### Limitations:

Use on dry substrates. Use on oil-, grease-, and coating-free substrates.

## 4. TECHNICAL DATA:

( see reverse side )

## 5. INSTALLATION

### Surface Preparation & Use:

Use gloves, wear eye protection, and avoid skin contact. When grinding cured materials, wear a

dust mask. Substrate to be patched must be completely dry and dust-free. Mix only the amount of material which can be used in 30 minutes. Avoid stressing repair area before complete cure of epoxy. Mask areas which must be kept free of epoxy. Clean uncured epoxy from tools with hot, soapy water. Remove cured material mechanically.

### Mixing instructions:

All materials should be at or above 55°F. Combine the two liquid ingredients at the following volume ratio: two parts of Part A Epoxy to one part of Part B Hardener. Add an equal amount of the Sand. (For instance: 2 ounces of A and 1 ounce of B, then add 3 ounces of Sand). Mix thoroughly--- ingredients must be blended homogeneously for proper cure. NOTE: if greater slump resistance is required for vertical surfaces, add Thickening Powder T-100 (sold separately)

### Temperature dependency:

Temperature will affect the working properties of the material. Approximately every 15°F results in doubling the speed of cure. Therefore, at 90°F set time is cut in half, at 60°F the set time is doubled. Do not use on a substrate at a temp. below 55°F.

**Coverage:** Approximately 30 square feet per gallon when

applied at 50 mils (1/16th of an inch). (There are 231 cubic inches in a gallon.)

## 6. AVAILABILITY

### Packaging and storage:

BONSTONE® Bon Patch is available in quart and gallon units. Shelf life is approximately one year if kept in unopened cans in a dry area at 75°F.

\*\*If BONSTONE® Bon Patch Part A Epoxy is exposed to below room temperature conditions for extended periods of time, it may crystallize, giving it a stiff, grainy consistency. The product must be reconstituted before use by heating it to 150°F degrees. Stir until it becomes a homogeneous liquid. Cool to room temperature before using.

## 7. WARRANTY

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

## 8. MAINTENANCE

Designed for application in areas inaccessible to maintenance procedures.

## 9. TECHNICAL SERVICE

### Specification Service

- specifications for various applications
- specification writing dept. for unique applications

4. **TECHNICAL DATA** BONSTONE® Bon Patch

<u>Mixed Properties</u>	<u>Values</u>	<u>Test Methods</u>
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<b>Mix Ratio:</b>	<b>2 parts A to 1 Part B to 3 parts Sand by volume</b>	
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<b>Pot Life at 75°F:</b>	<b>45 minutes</b>	
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Cured Properties

<b>Initial set time at 75°F:</b>	<b>3 hours</b>	
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<b>Full cure time at 75°F:</b>	<b>within 24 hours</b>	
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<b>Compressive Strength:</b>	<b>13,557 psi</b>	<b>ASTM D-695</b>
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<b>Compressive Modulus:</b>	<b>249,014 psi</b>	<b>ASTM D-695</b>
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