



TECHNICAL DATA SHEET

FILE UNDER DIV. 4

1-800-425-2214

1. PRODUCT NAME

**BONSTONE®
48G Floor Coating**

2. MANUFACTURER

Bonstone Materials Corporation
(address see bottom of page)

3. PRODUCT DESCRIPTION

A two-component, 100% solids, high build, chemically-resistant epoxy coating.

Basic Uses:

- Heavy duty epoxy flooring.
- Primer for epoxy topcoats.
- High build seamless flooring.
- Chemical resistant coating.
- General purpose concrete coating.
- Crack injection.

Limitations:

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

4. TECHNICAL DATA:

(see reverse side)

5. INSTALLATION

General Instructions

Surface Preparation & Use:

Use gloves, wear eye protection, and avoid skin contact. Prepare

concrete surfaces by abrasive blasting or mechanical scarification. Substrate to be bonded must be completely dry and dust-free. Do not apply over concrete less than 28 days old. Mix only the amount of epoxy which can be used in 10 minutes. Mask areas which must be kept free of epoxy. Clean uncured epoxy from tools with toluene or xylene. Remove cured epoxy mechanically.

Mixing instructions:

All materials should be at or above 55°F. Combine the two ingredients at the following volume ratio: three parts 48G Part A to one part 48G Part B. Mix thoroughly--- ingredients must be blended homogeneously for proper cure.

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 temperature below 55°F.

Coverage: Approximately 150 square feet per gallon when applied at 6-10 mils thickness; approximately 30 square feet per gallon when mixed with aggregate and applied at 1/8" thickness.

6. AVAILABILITY

Packaging and storage:

BONSTONE® 48G is available in 5 GAL & 55 gallon drums. Shelf life is approximately one year if kept in unopened containers in a dry area at 75°F.

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. TECHNICAL SERVICE

Specification Service

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

4. TECHNICAL DATA**BONSTONE® 48G Floor Coating***Values**Test Methods**Mixed Properties*

Mix Ratio: 3 parts 48G Part A, to 1 part 48G Part B by volume

Pot Life at 75°F: 35 minutes

Mixed Viscosity, cps, 75° F: 300

Cured Properties

Initial set time at 75°F: 6 hours

Full cure time at 75°F: within 24 hours

Tensile Strength: 5,416 psi ASTM D-638

Tensile Elongation at break 17.7 % ASTM D-638

Compressive Strength: 9,678 psi ASTM D-695

Compressive Modulus: 105,000 psi ASTM D-695

Flexural Strength: 8,223 psi ASTM D-790

Flexural Modulus: 249,978 psi ASTM D-790

Shore D Hardness: 60 ASTM D-2240

Pencil Hardness: 3H ASTM D-3363

Heat Distortion Temperature: 45.3° C ASTM D-648
