

TECHNICAL DATA SHEET

FILE UNDER DIVISION 4

1. PRODUCT NAME

TOUCHSTONE™
Glacier™

2. MANUFACTURER

Bonstone Materials Corporation

3. PRODUCT DESCRIPTION

A two-component, clear uv-stable adhesive and patching material. User-friendly and forgiving mix ratio, adjustable cure time, easily tintable. Available in Flowing and Knife-Grade versions.

Basic Uses:

- Laminating; bullnoses & aprons---especially light-colored stone and exterior installations
- Stone patching, mending and bonding
- Bonding stone to other construction materials

Limitations:

Use on absolutely dry stone. Use on oil, grease, and coating free stone.

Color: Clear product in cans -use Touchstone tint for tinting 250ml Cartridges- White color

4. TECHNICAL DATA:

(see next page)

5. INSTALLATION

General Instructions

If using cartridges, additional usage directions are available. See our information sheet labeled "Cartridge use directions". See separate doweling,- laminating, and patching instructions for more specific instructions. CSI

format specifications are available.

Surface Preparation & Use:

Use gloves, wear eye protection, and avoid skin contact. When grinding cured joints, wear a dust mask. Substrate to be bonded must be completely dry and dust free. Mix only the amount of material which can be used in 10 minutes (or less, if Accelerator is used). Avoid stressing joint before complete cure of material. Mask areas which must be kept free of material. Clean tools of uncured material using toluene or xylene. Use caution, these solvents are flammable and ensure local ventilation. Remove cured material mechanically.

Mixing instructions:

All materials should be at or above 55°F. Combine the two ingredients at the following volume ratio: Equal parts of **Glacier A** and **Universal Part B**.

Temperature dependency:

Temperature will affect the working properties of the material. 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.

Cure Accleleration: If faster cure is desired, add Last Patch Accelerator—adding 5 drops per mixed ounce of material is a good starting point.

Coverage: Approximately 30 square feet per gallon when applied at 50 mils (1/16th of an inch). 231 cubic inches per gallon.

6. AVAILABILITY

Packaging and storage:

Touchstone Glacier is available in 2-ounce units, ½ pint units, quart units & 250ml cartridges.

** If Universal Part B container is left un-sealed, the material may react with the moisture in the air and cause gelation of the material. Always keep all containers tightly sealed after use!!

7. WARRANTY

This product's 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

- specs for various applications
- spec writing dept. for unique applications

4. TECHNICAL DATA

TOUCHSTONE™ GLACIER™

Mixed Properties

Values

Mix Ratio: 1 part A to 1 part B by volume

Pot Life at 75°F: 5-10 minutes

Cured Properties

Initial set time at 75°F: 10-20 minutes

Full cure time at 75°F: within 24 hours

With Accelerator added (5 drops per 1 ounce of mixed Glacier):

Gel time at 75 F: 4 minutes

Initial Set Time at 75 F: 8-12 minutes

Tensile Break Strength: 6452 psi ASTM D-638 7 days

Tensile Modulus: 349,248 psi ASTM D-638 7 days

Tensile Elongation: 3.1 %

Flexural Yield Strength: 13,895 psi ASTM D-790 7 days

Flexural Modulus: 350,429 psi ASTM D-790 7 days

Compressive Yield Strength: 9258 psi ASTM D-695 7 days

Compressive Modulus: 163,523 ASTM D-695 7 days

Shore D: 82

Heat Distortion Temp: 125 degrees

Shear Strength:

Carrara Marble: 2351 psi

Granite: 3703 psi