

## Touchstone<sup>™</sup> Glacier

### Product Description

A clear, fast-setting, UV stable adhesive designed for laminating, fabricating and bonding natural, engineered, and porcelain materials.

### Product Features

- UV Stable
- Zero VOC, no odor
- Fast-setting, adjustable cure speed
- Will not shrink
- Can be used in below freezing temperatures
- Non-staining, polishable
- Can be tinted using Touchstone<sup>™</sup> Liquid Tints



### Applications

- Countertop fabrication, lamination and seaming
- Bonding stone to stone or stone to metal
- Great for exterior kitchens
- Ideal for porcelain and sintered materials



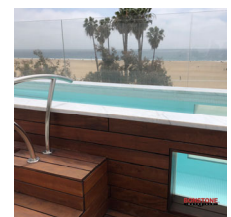
**Case Study Available**  
<https://bonstone.com/case-studies/>



chemical-concepts.com  
**800.220.1966**  
410 Pike Road • Huntingdon Valley, PA 19006

### Specifications

Product Type:	Urethane
Viscosity:	Knife-Grade
Mix Ratio:	1:1
Set Time:	15 Minutes, Using Accelerator 8-10 Minutes
Cure Time:	2 Hours
Pot Life:	5-10 Minutes
Application Conditions:	Interior, Exterior; Vertical, Horizontal
Recommended Application Temp:	75°F (24°C)
Coverage:	Per Gallon: 50mils (1/16") 30ft <sup>2</sup> or 231cu. Inches
Available Colors:	Clear, White, Bright White, Available in select sizes: Cream, Gray, Pewter, Charcoal, Butterscotch
Sizes:	250ml, 1oz (30ml), 5oz (148ml), 1/2 Pint (237ml), Quart (946ml), Gallon (3,785ml)
Other:	Use with Manual Single Cartridge Gun (011055); Pro-Tip Nozzle (180AN824)



## 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

Minimum product and substrate temperature should be at or above 55°F (13°C). Combine the two ingredients at the following mix ratio: One part of A to one part B.



## Temperature Dependency

The adhesive, substrate, aggregate, and environment's temperature will affect the working properties of the material. Lower temperatures will prolong cure, higher temperatures will shorten cure time. Every 15°F (-9°C) results in doubling the speed of cure. Therefore, at 90°F (32°C) set time is cut in half, at 60°F (16°C) the set time is doubled. Do not use on substrate at a temperature below 55°F (13°C).

## Shelf Life & Storage

Store products above 60°F (16°C) in an area protected from precipitation, construction activity, and direct sunlight. 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 containers tightly sealed after use.

## Limitations

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

## 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	6,452 psi	ASTM D-638
Compressive	9,258 psi	ASTM D-695
Flexural	350,429 psi	ASTM D-790
<u>Modulus</u>		
Tensile	349,248 psi	ASTM D-638
Compressive	163,523 psi	ASTM D-638
Flexural	350,429 psi	ASTM D-790
Elongation: Tensile: Elongation at break	Not available	Not available
Shore D	82	Not available
Heat Distortion Temp	125°F (52°C)	Not available
Shear Strength	Carrara Marble: 2,351 psi Granite: 3,703 psi	Not available
24 Hour Water Absorption	Not available	Not available
Other	UV Testing QUV with Solar Eye: Cydes: 4 hours condense @50°C, followed by 8 hours UV-A-340/0.8 intensity/60°C total of 500 hours. Results: No change in yellow index. AE=0.78	



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