



## Compbond 639



chemical-concepts.com

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### Product Description

A high strength, tile adhesive that forms a thick epoxy bed, which allows you to adjust tile, stone, or countertops onto uneven surfaces. This super knife-grade epoxy is also smooth enough for troweling.

### Product Features

- Allows for movement
- No leaching or staining of stone
- Ideal for working with chemical resistant areas
- Works well on uneven surfaces
- Use on wood, backerboard, metal, concrete, plastic, and other difficult to bond areas
- Water cleanup
- Can be tinted using Touchstone™ Liquid Tints

### Applications

- Setting stone, tiles and pool copings
- Tiling shower floors and walls, elevators, and steel-cased stairs
- Installing countertops
- Adhering stone to stainless steel or aluminum
- Working with chemical-resistant areas and other difficult bonding jobs



### Specifications

Product Type:	Epoxy
Viscosity:	Knife-Grade
Mix Ratio:	3:1
Set Time:	2 Hours
Cure Time:	24 Hours
Pot Life:	90 Minutes
Application Conditions:	Interior, Exterior; Vertical, Horizontal
Recommended Application Temp:	70°F to 80°F (21° to 27°C)
Coverage:	Per Gallon: 50mils (1/16") 30ft <sup>2</sup> or 231cu. Inches
Available Colors:	Tan
Sizes:	Gallon (3,785ml)
Other:	NA



# Technical Data Sheet

## Surface Preparation & Use

Setting surfaces must be clean, sound, and dry. Remove dust, laitance, grease, curing components, impregnators, waxes, foreign particles and disintegrated materials.

## Mixing Instructions

Minimum material and substrate temperature should be at or above 60°F (16°C). Pre-mix each component. Mix "A" and "B" components thoroughly for 5 minutes, scraping the sides and bottom of the can to insure thorough mixing. Incomplete mixing can result in uncured product. This may stain porous material like stone. Mixing may be accomplished by hand or by low speed (150 rpm) drill and paddle taking care not to generate excessive heat in the mix which will shorten open time. Mix only the quantity that can be used in that open time. When mixing less than full units, proportion ratio 3:1 by weight of A and B component.

## Temperature Dependency

Minimum material and substrate temperature should be at or above 60°F (16°C). At recommended working temperatures 70°F to 80°F (21° to 27°C), Touchstone T-2000 is a smooth, buttery paste that is easy to work; the normal working life is 2 hours. At temperatures from 80°F to 90°F (27° to 32°C) the working life is reduced and may be set sooner. At temperatures from 60°F to 70°F (16° to 21°C) it becomes harder to spread and curing time is lengthened. Compound 639 should be removed from mixing container immediately after mixing and spread onto working surface. Once the material begins to set, it should be discarded as proper bonding will not be accomplished.

## Shelf Life & Storage

2 years in unopened container. Store dry at 65° to 95°F (18° to 35°C) before using.

## Limitations

Do not thin, solvents will prevent proper cure. Allow at least 16 hour cure prior to grouting. Minimum age of concrete must be 21 days depending upon curing and drying conditions. Porous substrates must be tested for moisture-vapor transmission. Not to be used on any surface exhibiting hydrostatic pressure. Material is a vapor barrier cure.

## Safety

Before storing, mixing, or applying this product, read and understand all the product's Safety Data Sheets.

## Warranty

This product's warranty is limited to replacement of defective material and freight charges to destination only.

# Technical Data Sheet

## Testing Data

<u>Strengths</u>	<u>Results</u>	<u>Test Method</u>
Tensile	1,740 psi	7 days
Compressive	5,163 psi	7 days
Flexural	Not available	Not available
<u>Modulus</u>		
Tensile	Not available	Not available
Compressive	Not available	Not available
Flexural	Not available	Not available
Elongation: Tensile: Elongation at break	Not available	Not available
Shore D	Not available	Not available
Heat Distortion Temp	182°F (83°C)	ASTM D-648
Shear Strength	2,579 psi Granite to Granite	7 days
24 Hour Water Absorption	Not available	Not available
Other	NA	



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