



# **Composite Bonder RTP-01**

## **Instructional Guide**

### **Surface Preparation**

Composite Bonder RTP-01, when properly applied, provides impact resistant bonds that hold up to **350lbs (+/-) per fastener!!**

The following instructions will ensure that you achieve the highest possible bond strength and performance when using Composite Bonder to fasten bolts for undermount applications.

### **Natural Stone**

It is critical that the bonding area be free of moisture and any slurry or other contamination. For Natural Stone applications, a diamond cup wheel should be used to grind the bond area. It is not enough to simply wipe away dust with alcohol or acetone. To remove moisture, a weed burner, torch or heat gun may be used on porous stones. A final wipe with acetone or denatured alcohol will ensure a clean surface and the best performance.

#### **Before Grinding**



**SLURRY/DUST/CONTAMINANTS  
WILL RESULT IN DRASTICALLY  
REDUCED BOND STRENGTH**

#### **After Grinding**



**ADHESIVE BONDS  
DIRECTLY TO STONE  
FAR SUPERIOR STRENGTH**

### **Solid Surface, Quartz, Composites**

The bonding area must be free of moisture and any contamination. To increase adhesion, scuff the area with a medium grit paper before cleaning with acetone or denatured alcohol. Always ensure that the area is clean before proceeding.

**Note:** When using Zinc plated fasteners, a light sanding of the plate surface will provide increased bond strength.

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### Application Instructions

- 1** Once the area has been properly cleaned, determine the location for the fastener and mark with a pencil.
- 2** Place cartridge in dispensing gun and remove cap. Before attaching the tip, purge a small amount of adhesive to ensure both components are present. This should be done with the cartridge outlets elevated to allow any trapped air to escape.
- 3** Attach mixing tip and dispense adhesive using the appropriate dispenser. (Note: The adhesive will form a thick gel when properly mixed.) At 70°F/21°C you will have approximately 10 minutes working time.
- 4** Apply a liberal amount of adhesive to the area to be bonded- completely cover the pencil outlines. Approximately 5ml per fastener is sufficient.



- 5** Place the fastener into the adhesive and apply pressure until adhesive is forced through the holes.



- 6** Further increase the bond strength by working the adhesive around the base of the fastener and smoothing out the excess adhesive that has pushed through the holes.



- 7** Cure time varies with temperature. Surface and room temperature should be above 55°F/12°C. Allow to cure before applying load (approximately 30 min. at 70°F/21°C).

