

Applications

Undermount Sink Kits
Composites
FRP
Metals
PVC
ABS
PA (Nylon)

Advantages

Impact Resistant
Flexible
High Strength
Fast Curing
Cartridge System

Characteristics

Working Time 5 /6 minutes
Fixture Time 15/20 minutes

Composite Bonder RTP01 is used for room temperature bonding of Fiberglass Reinforced Products, Composites, Metals, and plastics (ABS, PVC). This adhesive is designed to produce tough, impact resistant, fast curing joints for applications in the Marine, Recreation, Construction and Transportation industries.

Composite Bonder RTP01 is the recommended adhesive for installing under mount fasteners due to its high strength, flexibility and impact resistance. This toughened Methacrylate adhesive is packaged in standard dual component cartridges and is used to bond metal fasteners to Solid Surfaces, Natural Stone and Quartz Surfacing materials.

Composite Bonder RTP01 requires little or no surface preparation in most applications and remains flexible at low temperatures with excellent impact resistance. It is 100 % reactive (contains no solvents) and is shelf stable for up to one year.



Packaging

Composite Bonder RTP01 is available in 250ml and 50 ml cartridges. Factory direct purchasing allows for “rainbow” case ordering. Factory direct purchasing allows for *Mixed colors and products in the case*.

Case sizes

250ml Cartridge = 20 Cartridges

50ml Cartridge = 40 Cartridges

250 ml cartridge - Total volume is approximately 260/265 ml

Dispensing

Composite Bonder RTP01 is packaged in dual component cartridges as part of a meter / mix / dispense system utilizing specialized dispensing guns and static mixing tips. The 250ml cartridge is complemented by Integra’s **Model 18-260 Dispensing Gun** and **7.4/18**

Spiral Bayonet mixer tips.

The 50ml cartridge is complemented by Integra’s

Model 50 IA Dispensing Gun and **5/15 Spiral Bayonet mixer tip**

Color

Composite Bonder RTP01 is formulated without color as it is typically not used in applications that require an inconspicuous appearance. However, with Integra’s ability to custom formulate products – a version with color could be produced if required.

Shipping Options

Integra’s adhesives are stocked at several locations in North America and Europe. A 2 to 3 day lead time can generally be expected for ground delivery within the continental US and Canada.

Flammable adhesives require specialized packaging and documentation for air transport. Please contact Integra for information on overnight air shipping.

Order Processing-North America

Email: contact@integra-adhesives.com

Orders processed by email, fax or phone.

Integra Main number 1 (604) 850-1321

Toll free 1 (800) 862-6665

Fax 1 (604) 850-1354

Order Processing - European Union

Email: contact@integra-adhesives.com

Orders processed by email, fax or phone.

Integra International Phone 1 (604) 850-1321

Integra International Fax 1 (604) 850-1354

UK Toll Free Phone 0800.756.9949

UK Toll Free Fax 0800.756.9974

Updated information can be found at
www.integra-adhesives.com/contact.html

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Distributor Information - Please contact us for the names and location of distributors in your area.

Performance Characteristics - Composite Bonder RTP01

Appearance Component A	Clear or colored - viscous liquid		
Appearance Component B	Clear to white - viscous liquid		
Viscosity A	30,000 / 140,000CPS Gel when mixed		
Viscosity B	20,000 / 25,000 CPS Gel when mixed		
S.G. Combined (Density)	0.98		
Working Time	5 to 6 minutes		
Fixture Time	15 to 20 minutes		
Recommended Bond Line	.020/.125 inch - .5/3.0 mm		
Bond Strength (Solid Surface)	1800 / 2500 PSI - 125 / 175 kg/cm Flexural Strength (ASTM D- 790)		
Bond Strength (Quartz Surfaces)	1800 / 2500 PSI – 125 / 175 Kg/cm Flexural Strength (ASTM D- 790)		
Impact Resistance ISSFA method	Pass		
Shelf Life Component A	1 year		
Shelf Life Component B	1 year (Temperature Dependent)		
Mix Ratio (Volume) A/B	10/1 optimum		
Mechanical Properties Cured			
Tensile Strength (ASTM D-638)	2000 PSI		
Elongation (ASTM D-638)	(+/-) 100%		
Bond Strength examples on:	Steel	Aluminum	FRP (ortho-polyester)
T-Peel (ASTM D-1876)	<50	50 PLI	N/A
Lap Shear (ASTM D-1002)	2500 (PSI)	2500 (PSI)	1500 (PSI) Fiber tear

Storage and handling:

Methacrylate Adhesives and Activators are flammable and can be dangerous if used improperly. Avoid skin and eye contact. In case of eye contact flush with water for 15 minutes and get medical attention. Keep away from sources of ignition. Before use or handling, consult the appropriate Material Safety Data Sheet. (MSDS) information is supplied at time of initial purchase and may be requested from the manufacturer or downloaded from the web sight at- www.integra-adhesives.com Store the adhesive in a cool area away from direct sunlight. High temperatures will reduce the shelf life of the adhesive and activator. Exposure of activators, including cartridges, which contain activators, above 100 F. rapidly diminishes the product's reactivity and must be avoided. Refrigeration is an acceptable means to increase storage life, however freezing should be prevented. Shelf life results are based on constant temperature storage between 55 and 75 f - (12/23 c).

Dispensing:

Integra adhesives are supplied in kit form at the appropriate mix ratio. Always maintain this ratio when mixing. Excess activator will cause higher than normal exothermic temperatures. Avoid mixing large quantities or creating thick cross sections (over 1/4 inch) as high temperatures may cause damage, skin burns and create the release of volatile vapors. To assure maximum bond strength, surfaces must be mated within the specified working time. Use sufficient material to ensure the joint is completely filled when parts are mated and lamped. All adhesive application and part positioning should occur before the working time of the mix has expired. After indicated working time, parts must remain undisturbed until the fixture time is reached. Automated equipment should be constructed of stainless steel. Avoid contact with copper or brass containing alloys in fittings. Seals and gaskets should be made of Teflon, ethylene/propylene or polyethylene.

Clean-up is easiest *before* the adhesive has cured. If the adhesive is already cured, careful scraping, followed by a solvent wipe may be the most effective method of clean up.

Working time:

The working time information is provided as an estimate of the time between mixing and set up of the adhesive. The working time is effected by the mixing ratio, air temperature, adhesive temperature, and the substrate temperature as well as the shelf life condition of the adhesive. For best results, use the adhesive at temperatures between 60 and 85 f. - (15/30 c).

High temperatures increase the cure rate while lower temperatures slow the cure.

Use at temperatures below 55 f - (12 c). may cause incomplete cure.

Disclaimer:

The Information provided, is based on laboratory testing under controlled conditions. It is the responsibility of the end user to test the adhesive on the intended substrates under the conditions which they will be used, and to determine the suitability of the adhesive for the intended purpose. Integra Adhesives makes no representations or warranties of any kind with respect to the data on this form or the suitability for any specific application.