

Applications

Substrate Attachment
Wood, MDF
PVC, HPL, ABS
Solid Surfaces
Quartz Surfacing, Granite
Wall Panels

Advantages

Flexible
High Strength
Faster than Hot Melt and
Silicone Method
Low Waste
Meter/Mix/Dispense System

Characteristics

Working Time 5/7 minutes
Fixture Time 12/15 minutes
Temperature Dependent

Substrate Bonder SB100 is a rapid cure, two-component urethane adhesive for attaching substrates in countertop applications. It is designed to develop strong, highly flexible bonds between Solid Surfaces, Engineered Stone, Granite, Quartz Surfacing and the materials such as MDF, Plywood, PVC, HPL and ABS.

Substrate Bonder SB100 greatly reduces assembly time, curing in as little as 15 minutes whereas silicone typically requires 12-24 hours to achieve sufficient handling strength.

Substrate Bonder SB100 is packaged in a 1 to 1 ratio, 400ml cartridge and can be used in many applications that would normally require silicone.

Substrate Bonder SB100 is not UV stabilized and should not be used for applications exposed to sunlight, or where color stability is a factor.



Color

Substrate Bonder SB100 is formulated without color as it is typically not used in applications that require an inconspicuous appearance. (Deleted section)

Dispensing

Substrate Bonder SB100 is packaged in dual component cartridges as part of a meter/mix/dispense system utilizing specialized dispensing guns and static mixing tips.

The 400ml cartridge is complemented by Integra's

VBM200x200 Dispensing Gun and bell end **7.4/18**

Packaging

Substrate Bonder SB100 is currently available in 400ml cartridges. (Deleted section)

Case size

400ml Cartridge = 12 Cartridges

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

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

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

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

Performance Characteristics Substrate Bonder SB100

Appearance - Component A	Straw colored - viscous liquid
Appearance - Component B	Straw colored - viscous liquid
Viscosity A	1,500 / 2,500CPS Gel when mixed
Viscosity B	40,000 / 50,000 CPS Gel when mixed
Working Time	5/7 min
Fixture Time	12 / 15
Elongation	> 100%
Bond Strength Flexural PSI	800—1400PSI (56—98 Kg/cm)
Impact Resistance	Pass
Water Resistance	Pass
Bond Line	.020/.125 inch - .5/3.0 mm
S.G. (Density)	1.30
Shelf Life Component A	6 months
Shelf Life Component B	6 months
Mix Ratio (Volume) A/B	1/1 optimum

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.