

Applications

Fabrication of Lamniations and seams
for:

Quartz Surfacing
Silestone, Casesarstone, Italstone,
Okite, etc...

Natural Stone
Granite, Soapstone, etc...

Solid Surfaces
Corian, Staron, HiMacs, Avonite, etc...

Advantages

Auto-dispense System
Eliminates Hand Mixing
Invisible Seams
200+ Pre-mixed Colors
High Strength
Fast Curing

Characteristics

Working Time 10/15 Minutes
Fixture Time 20/30 Minutes
Temperature Dependent

Surface Bonder Xi is the latest generation of color matched adhesives for the surfacing industry. Available in more than 200 pre-mixed colors. Developed for modern demanding fabrication methods such as laminating, mitreing, V-grooving, integral mounted sinks and bowls, and applications subject to dynamic loads.

Surface Bonder Xi produces improved bond strength over competitor products. Fabricators benefit from increased color choices as **Xi** is used universally on Acrylic and Polyester Solid Surface materials as well as Granite, Marble, and Quartz Surfaces.

Integra's reputation for innovation and product development continues with the first color matched adhesives cartridge system specifically designed for the stone industry. The system includes a special coloration system, low waste mixing tips, improved cartridges, and low cost dispensers.



Colour Matching

Integra is known industry wide for it's excellence in matching colours. The lab uses a combination of new colour technology and years of experience to produce unrivalled colour matches for every surface. **Cross reference charts** are updated regularly on the website to reflect the current offerings of the sheet manufacturers and changing trends in the Natural stone industry. While most surfaces can be matched using the top **20-30 adhesive colours**, Integra customers have access to a pallet of over **200 colours**. Beyond that custom colours can be formulated upon request.

Dispensing / Packaging

Surface Bonder Xi is packaged in dual component cartridges as part of a meter/mix/dispense system utilizing specialized dispensing guns and static mixing tips. Surface Bonder Xi is available in 100ml, 250ml, and 500ml cartridges in many colours matching Solid Surfaces, Engineered Stone, Granite and Quartz Surfaces.

The 100ml cartridge is complimented by Integra's 100ml Dispensing Gun and Integra X-Stream Static Mixers. The 250ml cartridge is complimented by Integra's 250ml Dispensing Gun and Integra X-Stream Static Mixers. The 500ml cartridge is complimented by Integra's 500ml Dispensing Gun and Integra X-Stream Static Mixers.

Case sizes

100ml Cartridge = 20 Cartridges

250ml Cartridge = 20 Cartridges

500ml 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

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

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

Performance Characteristics– Surface Bonder Xi

Appearance - Component A	Clear or coloured - viscous liquid
Appearance - Component B	Clear to white - viscous liquid
Viscosity A	35,000 - 150,000 CPS
Viscosity B	20,000 - 25,000 CPS
S.G. Combined (Density)	1.11
Working Time	10 - 15 minutes
Fixture Time	20 - 30 minutes
Recommended Bond Line	0.002 - 0.040 inch / 0.5 - 1.0mm
Bond Strength (Solid Surface)	4000 - 6000 PSI / 280 - 420 kg/cm ² Flexural Strength (ASTM D-790)
Bond Strength (Quartz Surfaces)	3000 - 4000 PSI / 210 - 281 kg/cm ² Flexural Strength (ASTM D-790)
Impact Resistance ISSFA method	Pass
Stain Resistance ISSFA method	Pass
Water Resistance ISSFA method	Pass
Heat Resistance ISSFA method	Pass
UV Stability ISSFA method	Pass
Shelf Life Component A	1 - 2 years
Shelf Life Component B	1 year (Temperature Dependent)
Mix Ratio (Volume) A/B	10/1 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. 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.