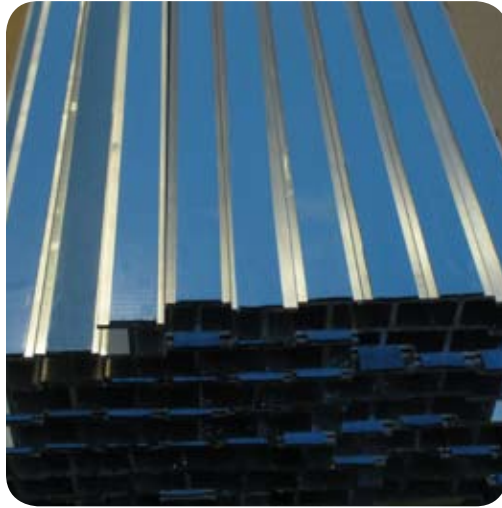
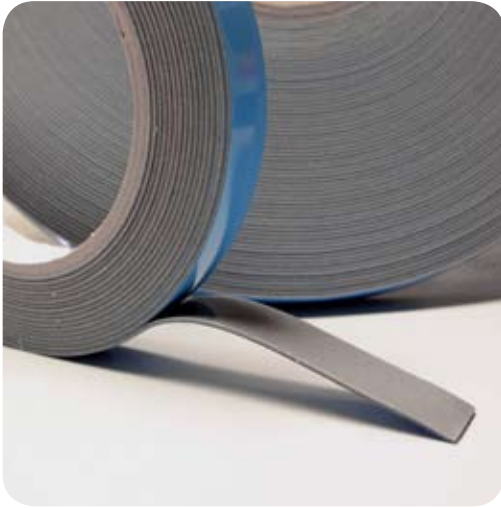




EZ Clad™ EZA1000

Architectural Panel Applications



Designed for Exterior Bonding Applications

Norton EZ Clad™ EZA1000, is a specially formulated acrylic bonding tape which provides strong adhesion, dynamic movement capability and support. The acrylic technology provides good contact and wet-out to the bonding surfaces.

Using the EZA1000 bonding tape allows for energy and stress at the bond interface to be dissipated over the entire length of the bond. This eliminates the point stress from mechanical attachment. A high performance acrylic, EZA1000 is an excellent choice for systems and applications where high wind loading and thermal expansion and contraction are expected. The tape will maintain good contact with the substrates to minimize deflection. The product is durable in all weather conditions and resistant to UV light, moisture, extreme temperatures, fungi, oxidation and ozone. EZA1000 is grey with a blue liner.

Advantages of using Norton EZ Clad™

EZA1000 reduces or eliminates the use of mechanical fasteners such as screws, studs and rivets, liquid adhesives and welds. Elimination of mechanical fasteners saves time, increases productivity, reduces costs and improves overall product performance and appearance.

Dissipates Bond Line Stresses and Vibration

EZA1000 is specially formulated to dissipate vibrations and stresses that would otherwise be transferred directly to the bond between the stiffener bar and panel. The product is strong, reliable and easy to use. A properly installed system of stiffener bars bonded with EZA1000 is effective in minimizing the deflection of the architectural panel.

EZ Clad™ Speeds Installation

In construction bonding applications Norton EZ Clad™ speeds installation time and enhances user productivity. It can be applied by hand to stiffener bars and panels or with an applicator tool. EZA1000 is easy to use with NO mixing, metering or curing. Simple cleaning steps prepare the surfaces for bonding.

EZA1000 High Performance Acrylic Tape

Features & Benefits

- Stress distribution reduces pressure points thereby minimizing deflection
- High density polyethylene liner for easy handling
- Acrylic adhesive provides a strong bond to metals and painted finishes
- Acrylic is conformable and has excellent environmental resistance
- Prevents corrosion from dissimilar metals
- Available in standard .062" (1.6mm) and .090" (2.3mm) for optimum performance. Additional thicknesses of .030" (0.8mm) and .045" (1.1mm) also available.



Norton EZ Clad™ - EZA1000 Standard Roll Sizes

Widths: 1/4" to 17" (6.35 mm to 432 mm)	Color: Grey	3" ID Cores
Product No.	Thickness, in. (mm)	Length, ft. (m)
EZA1000	.030 (0.8)	108 (33)
	.045 (1.1)	108 (33)
	.062 (1.6)	108 (33)
	.090 (2.3)	54 (16.5)

Standard Liner : A high density polyethylene liner for strength and ease of use. The liner is ideal for either hand application or the use of an applicator

Storage: Material should be stored at 70°F (21°C), 50% relative humidity.

Application Guide: See Saint-Gobain's Application Guide for EZ Clad for more details.

For maximum adhesive performance, prepare the contact surface by removing contaminants such as dirt, wax or oily films with a cleaning solvent and a 2 cloth wipe procedure.

A typical solvent that works well is 50/50 isopropyl alcohol/water. Use the first cloth to wipe the surface with the 50/50 IPA and follow with the second cloth to remove the dirt and dry the surface. On some contact areas it may be necessary to prime certain surface finishes for better adhesion. In these cases Saint-Gobain recommends the use of it's Tite-R-Bond™ Adhesion Promoter on the contact areas to improve the bond strength.



On mill finish aluminum it is generally necessary to buff the surface with an abrasive to remove oxidation and prepare the surface for bonding. **Norton® Bear-Tex 747** (Maroon) Abrasive pads are ideal for this purpose. After buffing the surface use the solvent and 2 cloth wipe cleaning method described above.

Contact Saint-Gobain Technical Service with any questions concerning surface preparation.

The greater the adhesive-to-surface contact (known as "wet out") the better the adhesive bond strength. Apply the Norton EZ Clad tape to the cleaned stiffener bar; press on firmly with a roller. Remove the liner just prior to bonding to the prepared panel surface and press the two together. Use a roller to apply a minimum pressure of 100 kPa (15 psi) to ensure full contact.

Bond strength is dependent on the substrate surface, application temperature and dwell time. Norton EZ Clad builds to 75% bond strength within the first 15 – 20 minutes and the balance of it's strength within 48 hours. Moderate heat will accelerate the build of the bond.

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Typical Physical Properties

Property	Value	Test Method
Density : PSF (kg/m ³)	45 (720)	ASTM D-1667
Peel Adhesion: oz/in (N/m) stainless steel	320 (3500)	ASTM D-333
Dynamic Shear Adhesion: psi (kPa) stainless steel	80 (550)	ASTM D-1002
Dynamic Tensile Adhesion: psi (kPa) aluminum	95 (655)	ASTM D-897
Recommended Service Temperature: Intermittent :	-40°F to 200°F (-40°C to 95°C) to 300°F (150°C)	
Recommended Application Temperature:	60°F to 125°F (15°C to 50°C)	

Parameter values are not guaranteed and will differ from lot to lot. For specification writing, contact Saint-Gobain Application Engineering Dept.

Saint-Gobain is a worldwide supplier of construction products with operations in 54 countries and a workforce of over 207,000. We began by supplying the mirrors for the Hall of Mirrors at the Palace of Versailles in France in 1665.

Today, we continue to manufacture architectural glass, along with a range of other products, and are the world leader in most of our markets. Some of our brands, in addition to EZ Clad™, include: Norton CST™, Thermalbond® Curtain Wall Structural Glazing Spacer; Norton® Window Glazing Sealants; CertainTeed fiber glass insulation, roofing and vinyl siding; ProRoc® gypsum board; Norton® abrasive belts and sand paper; Sheerfill® polymer coated fabrics for stadium roofs.

More information is available at www.ez-clad.com



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