

A multi-paned window with a view of bare trees. The window is divided into several rectangular panes by a dark frame. The view outside shows a dense forest of leafless trees against a pale, overcast sky. The window is set within a light-colored wall with decorative molding.

Window Decoration Attachment

NORMOUNT[®]
Acrylic Tape

NORMOUNT® Acrylic A6100 Series

Conformable acrylic tape designed for the attachment of decoration bars to glass

Application

Colonial divided lites are a popular, attractive, architectural design for windows and doors. Bonding the decoration bars with an adhesive tape, directly onto the glass, improves production efficiency and reduces costs, compared to other methods that use “true” divided lites.

Bonding decoration bars permanently with high performance, all weather, bonding tape gives a rugged bond and pleasing visual appearance while improving production efficiency.



Glass Surface Cleaning

NORMOUNT® Acrylic A6100 Series is a specially formulated conformable acrylic tape designed to withstand rigorous attachment requirements both indoors or outdoors. A6100's fast bond formation, stress absorption and excellent weather ability make this an excellent choice for decoration bar attachment, in all sorts of climate conditions.



Decoration Bar Lamination



Final Assembly

Application Techniques

Make sure that the length of the decoration bar corresponds to the dimension of the glass on which it will be bonded.

1. Pressure sensitive adhesives require clean surfaces for bonding. Ensure the mounting surface is free of dirt and contaminants. This is normally achieved by a solvent wipe, commonly an isopropyl alcohol and water solution, followed by wiping with a clean dry cloth.
2. Position and attach the tape using firm pressure, making sure the adhesive makes good contact along the entire length. Bars may be tapped in advance of window assembly, if desired.
3. Ensure that the glass is clean and free of residue or contamination. Hydrophilic surfaces, such as glass, may require a glass adhesion promoter, such as a silane coupling agent for exterior surfaces.
4. Remove the protective liner and carefully position the bars into position. Use of a guide or template will facilitate this process.
5. Apply firm pressure, preferably with a roller, to create intimate contact between the tape surface and the glass.

Contact your local Saint-Gobain representative for additional application techniques

Performance Data

The NORMOUNT® Adhesive A6100

Bonding decorations to glass is a challenging application because of various forces at play with wood, aluminium or vinyl decoration bars. Expansion differentials, seasonal temperature changes and conditions all work to separate the decoration bar from the glass surface. Tape performance can be commonly estimated through shear, pluck, peel and cleavage modes; a difficult balance for any tape. One of the most demanding tests simulates stress caused by differential expansions and the resulting “low angle” peel.

A “decoration bar test” was developed to measure how well a tape performs under severe expansion differentials: A small piece of tape is bonded between a semi-flexible aluminium bar and glass. The centre of the panel is forced away from the glass using a screw to simulate expansion. The photo shows the high degree of expansion the NORMOUNT® Acrylic A6100 can tolerate without losing its bond to the decoration or glass surface.



Decoration Bar Test

Features and Benefits

Conformable tape provides for good wet out

The conformable acrylic tape is easy to apply and helps to insure the intimate contact with the decoration bar, and glass surfaces, needed for good bonding performance. A6100's conformable acrylic core helps you to optimize bond performance when applying by hand or through mechanical rollers

Quick stick adhesive for faster assembly

A6100 Series uses high tack acrylic adhesives to facilitate bonding of the decoration bars on glass allowing the completed unit to be shipped as soon as the application is complete. Faster assembly means lower costs.

Viscoelastic core can absorb expansion differentials for design flexibility

Wood, aluminium or plastic decoration bars have vastly different thermal expansion rates. The A6100 core is formulated to flex with various expansion differentials: allowing the same tape to be used on a variety of profiles, and materials, in through a wide range of thermal cycles.

Grey or Clear colours to create your desired visual affect

NORMOUNT® Acrylic A6100 is available in grey, the preferred colour to keep a low aesthetic design profile. Also available is the A6200 Series in clear for designs that are striving for the translucent look. Colour choices help to keep the final customer focused on the window appearance, not on the attachment method.

Note: Clear acrylic tapes may exhibit some yellowing after high UV exposure. Please test in your design before specifying.

100% Acrylic assures long term performance

Utilizing 100% acrylic core and adhesives, the NORMOUNT® Acrylic Series is designed for long term performance. Suitable for both interior and exterior designs, the tape can withstand a wide range of temperatures, other environmental factors and common cleaners.



PERFORMANCE PLASTICS

Saint-Gobain Performance Plastics

Avenue du Parc 18
B4650 Chaineux, Belgium
Tel: (32) 87-32-20-11
Fax: (32) 87-32-20-51
sgppl.chaineux@saint-gobain.com

13 Earlstrees Road
NN17 4NP Corby, Northants
Great Britain
Tel. 44-1536 276 000
Fax 44-1536 203 427

One Sealant Park
Granville, New York 12832
USA
Tel: (800) 724-0883
Fax: (518) 642-2793

10801-5 Haramura Suwa-Gun
Nagano, 391-0106
Japan
Tel: 81 (2) 266-79-6400
Fax: 81 (2) 266-70-1001

13th floor, Dongshin Bldg.
141-28 Samsun-Dong
Kangnam-Ku, Seoul 135-090
Korea
Tel: 82 (2) 508-8200
Fax: 82 (2) 554-1550

Suite 1203, No. 147
Chienkwo North Road Section 2
Taipei Taiwan, 104
Taiwan
Tel: 886 (2) 25034201
Fax: 886 (2) 25034202

1468 Kun Yang Road
Minhang Development Zone
Shanghai 200245
Tel. 86-21 5472 1568
Fax 86-21 5472 2378

Devanahalli Road,
Via Old Madras Raod
Bangalore 560 049
India
Tel: 91 (80) 2847-2900
Fax: 91 (80) 284-72616

R. Antonio Matheus Sobrino, 120
Vinhedo-SP Brasil
CEP: 13.280-000
Tel: 55 (19) 2127-8532/2127-8530
Fax: 55 (19) 2127-8540

Distributed By:

NORMOUNT® is a registered trademark.

Chaineux, July 2006

The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions.

www.fff.saint-gobain.com