



Adhesives Research

Pressure-sensitive systems.
Customer-sensitive solutions.SM

January 7, 2003

ARclad® 3000 Series

Expanded Cellular Foam Glazing Tapes (AAMA 810.1, Type 1)

<u>Grades:</u>	<u>Black</u>	<u>White</u>	<u>Gray</u>
0.8mm (1/32") thick	3432	3532	3632
1.6mm (1/16") thick	3416	3516	3616
3.2mm (1/8") thick	3408	3508	3608

Description:

ARclad® 3000 series tapes are flexible, closed cell polyolefin foam tapes coated on both sides with a permanent acrylic based pressure-sensitive adhesive. ARclad® 3000 series bonds well to many plastics, vinyls, metals, and construction materials, including glass and preserved wood. ARclad® 3000 series are suggested for glazing windows while featuring excellent UV resistance, cold flex and good sealing characteristics. They are certified per AAMA 810.1 Expanded Cellular Glazing Tape, Type 1. Customers should assure the product meets the specific needs of their applications.

All grades are available with a dependable K-74 double-sided -11 or polyethylene release liner - 19 or -72.

Features and Benefits:

Features

Adhesion Properties over 100 oz.
(2835 g)

Quick Stick

Water Absorption and Water
Penetration Resistance

Ease of Application

UV Resistant Polymer

Benefits

Provides customer with superior adhesion
to wood, vinyl, aluminum and glass

Provides customer with the ease and time
saving opportunity of instantaneous bond

Conformability allows continuous contact
around curves and irregular surfaces.
ARclad® 3000 series has excellent low
absorption and penetration ability allowing
it to pass the water penetration test as
described in AAMA 810.1 easily

Offers quick solvent-free bonding method
and reduced application time

Minimizes UV deterioration of those areas
of the window that are directly exposed to
UV lighting

Storage and Stability

Service Temperature Range: -29°C to 79°C (-20°F to 175°F)
Storage: Unconverted, up to one year when stored at 21°C (70°F) 50% RH.

(Revision - 16 Jan 2003)

APPLICATION AND STORAGE OF PRESSURE-SENSITIVE ADHESIVE TAPES

Pressure-sensitive adhesive tapes function as a mechanical product; however, the adhesive itself is a chemical composition that can be sensitive to environmental conditions. A purchaser of pressure-sensitive adhesive products should be aware of the shelf life of each product and not purchase more than it can use before the expiration date. Shipping and storage conditions affect shelf life. The optimum storage temperature is 21°C (70°F). Cool, dry storage is recommended.

For best results...

- 1) The surfaces you wish to bond should be clean and free of oil, moisture and dust. If the surface temperature is below 4°C (40°F), it may be difficult to achieve a proper bond.
- 2) Do not use a pressure-sensitive adhesive product where it will be exposed to temperatures lower or higher than those designated for each product. Heat can destroy the effectiveness of the bond and extreme cold can cause the adhesive to harden and not adhere properly.
- 3) When the tape is applied, use firm hand or lamination pressure to achieve contact between the adhesive and the surface to which it is applied. Hand rollers or nip rollers may be needed for certain products or applications.

Consult your AR sales representative if you need additional information.

WARRANTY AND DISCLAIMER

AR expressly warrants to Purchaser that its product, under normal and intended use, maintenance and storage, is free from defects in workmanship for twelve (12) months from the date of shipment, unless otherwise stated. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES. **AR MAKES NO WARRANTY AS TO EXPERIMENTAL AND DEVELOPMENTAL SAMPLES OR MATERIALS. AR MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No provisions, representations, diagrams, drawings or pictures contained in any product literature, price list, catalogue, purchase order, product data sheet, order acknowledgement, invoice, delivery ticket, or any other communication by AR, including information on AR's website or representations made by AR's employees or agents, constitute express warranties. Results of tests and recommendations included in communications of AR do not constitute express warranties. To the extent sample products were provided to or examined by Purchaser, the samples do not constitute express warranties. SINCE MANY FACTORS MAY AFFECT THE USE AND PERFORMANCE OF AN AR PRODUCT IN A PARTICULAR APPLICATION, INCLUDING, AMONG OTHERS, THE PRODUCT SELECTED FOR USE, THE CONDITIONS IN WHICH THE PRODUCT IS USED, THE TIME AND ENVIRONMENTAL CONDITIONS IN WHICH THE PRODUCT IS EXPECTED TO PERFORM, THE MATERIALS TO BE USED WITH THE PRODUCT, THE SURFACE PREPARATION OF THOSE MATERIALS, AND THE APPLICATION METHOD FOR THE PRODUCT, PURCHASER ACCEPTS RESPONSIBILITY FOR DETERMINING WHETHER AR'S PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR PURCHASER'S METHOD OF APPLICATION. AR retains the right to modify or change its product if in AR's judgment it is advisable.

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