



# Adhesives Research

Pressure-sensitive systems.  
Customer-sensitive solutions.<sup>SM</sup>

## ARclad<sup>®</sup> 8748-19 Double-Coated Foam

### Features

- high density 1.16 mm (1/16") gray, closed cell, polyethylene foam
- aggressive acrylic adhesive adhesion
- both indoor and outdoor environment use
- 0.08 mm (3 mil) blue poly liner

### Benefits

- uniform foam product thickness, dependable performance over liquid silicone products
- provides customer with superior to almost any surface
- minimize need for multiple tapes
- flexible liner allows for easy foam application to corners or arches without tearing

### Applications

Bonds well to many plastics, vinyls, metals and construction materials including glass and wood. Suggested for mounting muntins to windows and doors. Users should assure the product meets the specific needs of their application(s). Adhesives Research, Inc. can tailor the product to meet the needs of specific applications as requested by customers.

### Storage and Shelf Life

One year when stored at 21°C (70°F), 50% R.H.

### Product Construction

Composite:	1.66 mm	65.4 mils
Liner:	<u>0.08 mm</u>	<u>3.0 mils</u>
Total:	1.74 mm	68.4 mils

**Test Methods:** PSTC-33, ASTM D-1000

### Adhesive Properties - Typical Values

180° Peel Adhesion/PET Support/12" min.  
5'/SS – 66 n/100mm (60 oz./in.)

**Test Methods:** PSTC-3, ASTM D-3330, ART #1005

### Static Shear

Temperature	Area	Load	Minutes to Failure
22°C (72°F)	12.7mm x 12.7mm (½" x ½")	500g.	>240'

**Test Method:** PSTC-7, ART #1011

Recommended Minimum Application Temperature: 10°C (50°F)  
Maximum Operating Temperature: 80°C (175°F)

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## 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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