

## Insulating Glass-Sealant PIB-30

### Gray Extruded Spacer Joint Tape

### Description

**Insulating Glass-Sealant PIB-30** is a gray polyisobutylene based sealant that exhibits excellent long term stability and remains permanently flexible, even at low temperatures. ADCOTHERMTM PIB 30 is supplied as a pre-extruded tape (approximately 0.02" x 1.2") roll on release paper or laminated in strips to 4 mil aluminum film backing. Like all ADCOTHERMTM PIB sealants, ADCOTHERMTM PIB 30 exhibits low argon permeability and inherently low moisture vapor transmission along with excellent adhesion to aluminum, stainless steel and tin-plated steel spacer substrates.

### Basic Use

**ADCOTHERM® PIB-30** is designed for use as a moisture barrier in a dual-seal insulating glass units. It is used to seal the joined ends of a cut spacer, wrap corner keys, and plug rivet holes. **ADCOTHERM® PIB-30** can be used for any detail sealing application in IG assembly where MVT and gas permeability are a concern. **PIB-30** is a specially formulated, soft material that will take the form of fitted detail patchwork and resist delamination. **ADCOTHERM® PIB 30** is gray colored to match the color of metal spacer bar

### Health & Safety

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

### Storage and Shelf Life

Store material in original unopened packaging at temperatures between 4°C to 38°C (40°F to 100°F). Shelf life is 24 months when stored as recommended.



| Features   | Benefits  |
|--|---|
| Low moisture vapor transmission rate (MVTR)                            | Increases unit life expectancy                                      |
| Excellent resistance to weathering                                     | Does not degrade upon exposure to environmental conditions          |
| Low gas permeability   | Increases argon gas retention                                       |
| Excellent adhesion to glass, stainless, aluminum, and tin-plated steel | Useful in sealing all commercially accepted metal IG spacer systems |
| Ultra low volatile content   | No chemical fogging. No discoloration of low-e coatings             |

### Packaging

**Insulating Glass-Sealant PIB-30** is available in the following standard packages:

| Part #     | Physical Form | Package    | Weight         |
|------------|---------------|------------|----------------|
| PB-063G-T9 | 0.015" x 1.3" | 250 lin ft | 4 per case     |
| PB-063G-L9 | 0.020" x 1.2" | 48" strips | 2,100 per case |

## Limitations

- **ADCOTHERM® PIB-30** is not intended for use as a structural sealant.
- **ADCOTHERM® PIB-30** is not resistant to attack by solvents, oils, and plasticizers. When constructing IG with silicone secondary sealants, care must be taken to insure that the glazing environment (including setting blocks, compression gaskets, glazing sealants, and weatherproofing sealants) is free from solvents, oils and plasticizers. These chemicals can migrate through silicone secondary sealants and attack the primary sealant resulting in premature IG unit failure.
- The surfaces to be bonded must be dry, clean and free from dust and grease. Glass surfaces should be thoroughly cleaned by hand or machine with non-film forming, low residue detergent and rinsed thoroughly with clean hot water.

## Glazing Compatibility

It is recommended that glazing materials be tested for compatibility and that all units be glazed in accordance with GANA (Glass Association of North America) and IGMA (Insulating Glass Manufacturers Alliance) recommendations. Contact with any solvent, oil, or plasticizer-containing glazing materials should be avoided.

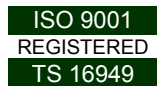
## Performance Standards

Insulating glass units incorporating **Insulating Glass-Sealant PIB-30** routinely meet the following specifications:

- ASTM E 774
- ASTM E 2188, E2189, E2190 (HIGS)
- CGSB 12.8
- EN 1279 (Part 1-3)



| Technical Data   |                                      |                               |
|--|--------------------------------------|-------------------------------|
| Property   | Typical Value                        | Test Method                   |
| Moisture Vapor Transmission  | 0.2 g/m <sup>2</sup> /24 hr          | ASTM F1249<br>2mm thickness   |
| Argon Diffusion  | 0.02 L/m <sup>2</sup> /24h/<br>760mm | ASTM D3985<br>3mm thickness   |
| Service Temperature  | -45°C to 80°C<br>(-50°F to 176°F)    |                               |
| Physical Properties  |                                      |                               |
| Cone Penetration   | 90 dmm                               | ASTM D217,<br>150g added load |
| Solids Content   | 100%                                 |                               |
| Specific Gravity   | 1.04                                 | ASTM D71                      |
| Weight per gallon  | 8.7 lb                               |                               |
| Application Properties   |                                      |                               |
| Suggested Application Temperature  | 100°C to 130°C<br>(212°F to 265°F)   |                               |
| <b>NOTE:</b> The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not to be interpreted as manufacturing specifications. |                                      |                               |



**WARRANTY:** Royal warrants its products to conform to Royal's specifications at the time of sale when tested according to Royal standards. If a product is proven to be defective when tested according to Royal standards, Royal will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ROYAL AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall Royal be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.