

## ElastiSeal® BP-300

### Non-Skinning Butyl Sealant

#### Description

**BP-300** is a non-skinning, non-hardening, permanently flexible gun grade compound. It maintains a positive airtight seal by remaining both permanently adhesive and flexible to all of the substrates that it is applied to. This non-skinning sealant does not accept paint.

Features	Benefits
Excellent adhesion to multiple substrates	Adheres to clean concrete, gypsum, metal, glass, plastic and wood surfaces without primer
Excellent gunnability, even at low temperatures	Wide application temperature range
Flexible, even at extremely low temperatures -40°C (-40°F)	Wide service temperature range
Water resistant, even under immersion conditions	Long term moisture barrier
Non-skinning and non-hardening	Permanently flexible

#### Health & Safety

Users must follow individual product data sheet and Safety Data Sheet (SDS) for health and safety precautions. Always use protective eyewear.

#### Availability/Cost

Availability and cost can be obtained from your local Royal Adhesives & Sealants representative or Royal distributor.

#### Packaging

10.3 fl. oz. (305 ml) cartridge  
5 gallon pail  
55 gallon drum

#### Available Colors

Black  
Gray  
Buff (Tan)  
White

ElastiSeal® BP-300 20140121

#### Basic Use

##### ACOUSTICAL SEALANT

Reduces sound transmission of partition systems. It will effectively increase the Sound Transmission Class (STC) value by as much as 65% by properly sealing partition openings. See ASTM C 919-02 Section 8.2.2 for use of non-drying and non-skinning sealants in acoustical applications.

##### ROOF PANEL RIB SEALANT

A good balance of cohesion and adhesion to painted and aluminized steel panels as manufactured on a roll forming machine without further cleaning, pretreatment or other surface preparation at erection temperatures from -7°C to 60°C (20°F to 140°F).

##### VAPOR BARRIER SEALANT

Maintains a positive airtight seal by remaining both permanently adhesive and flexible to all substrates that it is applied onto, such as polyethylene vapor barrier films, wood, concrete, metal and foam boards. It is excellent for sealing roof drains and behind termination bar details for commercial roofing applications

##### BEDDING SEALANT

Used as a buck frame, threshold or bedding sealant when applied to metal or glass surfaces.

##### CURTAINWALL SEALANT

Prevents air infiltration and water leakage to unexposed curtain wall joints.

#### Clean Up

Clean with VM&P Naphtha or Mineral Spirits.

#### Limitations

All surfaces to be sealed or bonded must be clean and dry. Not recommended for direct contact with IG (Insulated Glass) Sealants.

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## Application Instructions

1. All surfaces must be clean and dry.
2. Apply with a standard caulking gun.
3. Cut nozzle to desired bead size. Puncture inner seal.
4. Apply at a 45° angle using constant pressure.
5. Use at room temperature for ease of gunning.
6. Use mineral spirits or VM&P Naphtha to remove excess material.

Technical Data		
Physical Properties	Typical Value	Test Method
Base Polymer	Synthetic Rubber	FTIR
Aged Tack	Permanently Tacky	ASTM D 2377
Shrinkage	20% Maximum	ASTM D 2453
Sag	0.15" Maximum at 70°C (158°F)	ASTM D 2202
Peel Strength	> 0.5 pli with no loss of bond	ASTM C 794
Press-flow Viscosity	40 Seconds Maximum	ASTM D 2452 (modified)
Hardness	30 - 40	Shore 00 Durometer
Adhesion	Excellent to most clean surfaces	ASTM C 794
Weathering	Very slight color change; No loss of adhesion; No cracking; No wrinkling	ASTM G 53, QUV Chamber
Water Resistance	No loss of adhesion; No shrinkage; No chalking	AAMA 809.2 Non-Drying Sealants
Flash Point	40°C (104°F)	ASTM D 56
VOC Content	<150 g/L	ASTM D 3960
Solids Content	85% Minimum	ASTM C 681
Specific Gravity	1.2 - 1.6 (Dependent on color)	ASTM D 1475
Application Data		
Service Temperature	-40°C to 121°C (-40°F to 250°F)	ASTM C 1257
Application Temperature	4°C to 35°C (40°F to 95°F)	ASTM C 603
Storage	4°C to 32°C (40°F to 90°F)	ASTM D 1337
Shelf Life	Two Years	ASTM D 1337
<b>NOTE:</b> The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not part of the product specification.		

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