



BOSTIK P100 Primary Sealant

HOT MELT SEALANT

KEY FEATURES

- Very low water vapour transmission rate
- Low odour
- Excellent adhesion to glass and to all spacer bars / corner keys

PRODUCT DESCRIPTION

Bostik P100 Primary Sealant is a compounded polyisobutylene and synthetic rubber hot melt sealant specifically formulated for use in the production of dual seal insulating glass units. It should always be used in conjunction with a suitable secondary seal, such as Bostik 5000 or Bostik 6000 Hot Melt Butyl.

FEATURES

- Excellent adhesion to glass, aluminum, galvanized steel, stainless steel & tinsplate spacer bar and metal and plastic corner keys
- Very low gas permeability
- Acts as a thermal break
- Easy application with standard dispensing equipment
- No cleaning or purging of dispensing equipment required
- Can also be used as a handling aid in rigid spacer bar unit production



TYPICAL CHARACTERISTICS

Physical Form		Rubbery solid
Color		Black
Chemical Type		compounded polyisobutylene and synthetic rubber
Relative Density	g/cm ³	Approx. 1.21
Moisture Vapour Transmission Rate		< 0.03 g/m ² per day for 2mm film at 23°C (73°F), >85% RH (ASTM method E96)

IMPORTANT

Before embarking on any work involving Bostik P100 the safety data sheet should be carefully studied by those carrying out the work. Gloves and eye protection are recommended.

CERTIFICATIONS



Bostik is a member of Glass and Glazing Federation and Fenestration & Glazing Industry Alliance



APPLICATION TEMPERATURE

+130°C to +150°C or sufficient to produce a consistent even coating

RECOMMENDED COATING WEIGHT

1.5 g per linear metre on both sides of the spacer bar when using with Bostik 5000 or Bostik 6000, depending upon spacer profile

PRECAUTIONS

Bostik P100 Primary Sealant is not intended for use where direct UV / sunlight may be present. A suitable protection i.e. gasket / frame / strip should be present to prevent this.
Bostik P100 Primary Sealant has been developed for use with Bostik secondary sealants; we do not guarantee Bostik P100 Primary Sealant with alternative sealants. We can, upon request, undertake tests to ensure compatibility.

APPLICATIONS

TYPICAL APPLICATION WHEN USING WITH BOSTIK 5000 OR BOSTIK 6000 HMB SECONDARY SEAL

Bostik P100 Primary Sealant is suitable for use on all types of primary seal application equipment. Due to inherent minor differences between machinery, optimum performance is best attained by assessing the coating weight per linear metre on each side of the spacer bar rather than by specific temperature and pressure settings. The coating weight should be between 1.5 g and 2.5 g per linear metre on each side with the front and back coating weight as close to each other as possible (no greater than 0.3 g difference).

The spacer bar profile also determines the optimum coating weight achievable. A straight-sided spacer bar will require a lower coating weight than a spacer bar specifically designed for dual seal systems (see diagram). This type of spacer can accommodate a higher coating weight.

If the coating weight is at the higher end of the range then not only could an excess of primary seal exude into the unit cavity, but also the degree of pressing out could be adversely affected leading to inadequate adhesion and/or excessive unit thickness. It is important that a continuous, even coating is achieved and that any excess primary seal is pushed into the gap where the corner key locates into the spacer. A complete primary seal of the unit is only attained when corner keys are plugged or a bent spacer bar system used. Avoid touching the extruded primary seal as this may adversely affect the wetting out and adhesion of the compressed primary seal. Further advice on particular aspects of application and the use of Bostik P100 Primary Sealant with Bostik hot melts can be obtained from our Technical Service Department



**Straight-sided
spacer bar**



**Dual seal
spacer bar**

PACKAGING DESCRIPTION

Please refer to Customer Service Department for current pack sizes.

STORAGE

Store unopened in a cool, dry place within the temperature range +5°C to +25°C.

SHELF LIFE

2 years from date of manufacture, under the above conditions of storage.

DISCLAIMER

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