



# BOSTIK 5000 HOT MELT BUTYL

## HOT MELT SEALANT

### KEY FEATURES

- Can be used as a single seal
- Very low moisture vapour transmission rate
- Excellent application characteristics on manual and robotic equipment

### DESCRIPTION

**Bostik 5000 Hot Melt Butyl Sealant** has been specifically formulated for use in the production of insulating glass units. **Bostik 5000** is a single part butyl rubber based sealant which, when applied at the correct temperature, sets quickly from its molten state allowing units to be moved from their assembly location between two and five minutes after application. Units can therefore be sealed and glazed within the same day. **Bostik 5000** has a high output and fast heat loss enabling optimum turn round of unit production. The combination of these properties also means that corner defects can be easily avoided thereby ensuring a complete seal around the unit.

### FEATURES

- Compatible with all types of manual and robotic dispensing equipment currently available
- Quick-setting from the molten state
- Clean application with no wastage
- No cleaning or purging of dispensing equipment required
- Can be used as a secondary seal in conjunction with a P.I.B. primary sealant such as Bostik 2000. Consult the Bostik Technical Service Department

### BSI STANDARDS



*Bostik is a member of Glass and Glazing Federation and Insulating Glass Manufacturers Alliance*



### IMPORTANT

Before embarking on any work involving **Bostik 5000 Hot Melt Butyl Sealant** the safety data sheet should be carefully studied by those carrying out the work. Gloves and eye protection are recommended.

### TYPICAL CHARACTERISTICS

<b>Physical form</b>	Rubbery solid
<b>Colour</b>	Black / Grey
<b>Chemical type</b>	A blend of butyl rubber and other synthetic polymers and resins which contain no volatile material
<b>Relative density</b>	Approx. 1.16 – 1.18 g/cm <sup>3</sup>
<b>Moisture vapour transmission rate</b>	Approx. < 0.1 g/m <sup>2</sup> per day for 2mm film at 25°C (77°F), 100% RH (ASTM method E96)

### SURFACE PREPARATION

**Bostik 5000** exhibits excellent adhesion to cut, ground or polished glass, aluminium, galvanised steel, stainless steel and tinplate spacer bar, and is fully compatible with Quanex SuperSpacer®. It is essential that all surfaces are clean, dry and free from foreign matter. Coated glasses which require edge deleting must be used in accordance with the glass manufacturer's instructions.

### APPLICATION TEMPERATURE

+180°C to +195°C (+365°F to +383°F) at the nozzle

## APPLICATION

The sealant should be applied by means of a suitable heated dispenser. It is very important that the sealant is applied within the recommended temperature range; therefore it is advisable that the application temperature be checked daily with a digital thermometer at the applicator nozzle whilst applying sealant. Further advice can be obtained from the Bostik Technical Service Department.

The sealant should be applied into the cavity of the insulating glass unit in such a manner that complete wetting of the glass and spacer occurs. If an internal locating nozzle is used, the nozzle should be checked regularly to avoid excessive wear, in order to ensure that the correct seal depth is maintained.

Care should be taken on sealing each corner and the sealant should be pressed together whilst still molten by means of a silicone rubber pad, or other method. This is to prevent any holes or gaps in the sealant at the corners, which could lead to premature unit failure. If the units are to be stored on a rack ensure that they are adequately supported under both panes of glass.

## GLAZING METHOD

Units manufactured with **Bostik 5000** should be glazed in accordance with the current G.G.F. (Glass and Glazing Federation) methods or other G.G.F. recognised and approved methods (UK) or Sigma Glazing Guidelines (US). Further information may be obtained from the Bostik Technical Service Department.

The use of adhesive tape is not recommended to cover the edge of the unit. Drained and ventilated systems should be used where possible otherwise fully bedded glazing methods are necessary. If the unit is to be glazed using a glazing compound which is likely to be in contact with the edge seal of the unit, then it is important to ensure its compatibility with the Hot Melt Sealant BEFORE glazing. Further detailed information can be obtained from the **Bostik 5000** Technical Bulletin and **Bostik 5000** User Guide available from the Bostik Technical Service Department.

## PACKAGING

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 (+40°F to +80°F).

## SHELF LIFE

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

### Disclaimer - please read carefully

This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products..

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, or its liability for fraud, or fraudulent misrepresentation, or any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company. Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number on the bottom right hand side of this page.

### SMART HELP

Please contact your local representative

