



DIY Hot Melt Glue Sticks

HOT MELT ADHESIVE

Date: 28 March 2022

Fact Sheet No.: TDS00037

YOUR SMART ADVANTAGES

- Easy to apply using gun: retractable stand
- Constant thermostatic control / low odour
- Bonds most materials / very fast setting

USES

Bostik DIY Hot Melt Glue Sticks consist of a high performance hot melt adhesive based on polyethylene vinyl acetate, and are supplied in the form of sticks. They are highly versatile and economical and will quickly bond most household materials, giving a clean, colourless and odourless bond with good flexibility and peel strength. Each stick is 100mm long and has a diameter of 12mm.

This adhesive is particularly suitable for use on flexible materials: it will bond most household materials including polystyrene, wood, leather, fabric, and rubber. It is also ideal for household repairs, floristry, art and craft and DIY.

PRODUCT CHARACTERISTICS

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| Colour | Translucent white |
| Form | Soft flexible solid in cylindrical sticks |
| Specific Gravity | 1.0 approx. |
| Composition | Polyethylene vinyl acetate polymer / resin blend |
| Softening Point | 89 – 90°C |
| Product Code | 30813369 DIY 1 x 6 blister, 12mm diameter, 100mm long glue sticks |

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| Storage/Shelf Life | Store for up to 24 months from date of manufacture when stored in original, unopened packaging under dry conditions within the temperature range of +5°C to +35°C. |
| Odour | Negligible when cold, slight sweet odour when hot. |

TYPICAL PERFORMANCE DATA (Approx.)

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| Application Temperature | +5°C to +25°C |
| Glue Gun Operating Temperature | +175°C to +200°C |
| Service Temperature | -40°C to +65°C |
| Coverage | 1.0 – 1.5 metres As a single line of adhesive per stick. This does not include wastage. |
| Drying Times | 15 to 60 seconds Full strength in 1 to 2 hours at 20°C. |

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik DIY Hot Melt Glue Sticks refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

PREPARATION

1. Ensure the materials to be bonded are dry, clean and free from grease and other loose material.

Abrade hard smooth surfaces to improve the bond. Surfaces should be warm, between 20°C to 30°C to prevent the adhesive setting too quickly.

2. Use at room temperature in draught free conditions. Draughts can cool the adhesive enough to affect the bond strength.
3. Load the appropriate Bostik DIY Hot Melt Glue Sticks through the grip ring in the rear of the Bostik DIY Hot Melt Glue Gun.
4. Press the trigger several times until the stick is positioned firmly in the gun. Do not apply excessive force.
5. Plug in the gun. The light at the back of the gun will indicate the gun is operational.
6. Allow the gun to warm up for approximately 5 - 10 minutes.

APPLICATION

7. Gently press the gun trigger until the adhesive flows freely from the nozzle. Apply the adhesive to the substrate that is the most difficult to bond (in general metal, hard and smooth surface are more difficult to bond than rough porous surfaces).
8. The adhesive need not be spread. Press the surfaces together as soon as possible after adhesive application (within 15 seconds for best results), and apply as much pressure as is practical. The open working time is up to 45 seconds depending on the nature of the substrates, application temperature, volume and cross-section of applied adhesive and closing pressure.
9. To ensure a continuous flow of glue, insert further glue sticks into the rear of the gun and wait a few minutes until the stick has heated to the correct temperature.
10. Do not move or adjust the surfaces after contact has been made, as inferior bond strength will result.
11. As a general guide, a properly formed bond will, after joining, achieve:
Handling Strength: Within 1 minute
Full Strength: 1 to 2 hours at 20°C
12. Unplug the gun when finished and allow to cool before storing.
13. Do not attempt to remove the stick from the back of the gun as this will damage the gun.
14. Use the stand; do not place the gun on its side.

CLEANING

15. The adhesive can only be removed mechanically once cured by scraping carefully with a blade edge.
16. A residual thin film will remain which can then be removed using a solvent cleaner.
17. Sensitive surfaces may be damaged by the hot adhesive or by the solvents used in the cleaning process. Always carry out a test before attempting removal.

PRECAUTIONS IN USE

Do not leave unattended. Switch off after use. Always use only with Bostik DIY Hot Melt Glue Sticks in the Bostik DIY Hot Melt Glue Gun. Using the wrong sticks will damage the gun. Do not insert any metal object into the back of the gun. Use and store only under dry conditions. Handle with care as both the gun nozzle and molten adhesive will cause burns in contact with the skin. Hot melt adhesives may burn. Should skin contact occur, place burn/effected area under clean cold running water for a minimum of 10 minutes or until pain is relieved. Seek medical attention if required. Do not attempt to peel off the cold adhesive. Keep out of reach of young children. As with all electrical equipment, young children must be supervised whilst using the gun. Bostik DIY Glue Sticks will not bond polythene or polypropylene.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik DIY Hot Melt Glue Sticks, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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