



BOSTIK PSR 50-08

POLYURETHANE SPECIAL RANGE

KEY FEATURES

- One component polyurethane
- High shear modulus
- Non-sagging properties

DESCRIPTION

Bostik PSR 50-08 is a one component flexible, fast curing, high performance adhesive based on polyurethane polymers (PU).

Bostik PSR 50-08 is suitable for vehicle glass direct glazing and is specifically designed to give fast and safe drive away times on vehicles fitted with airbags

Bostik PSR 50-08 exhibits non-sagging properties with excellent adhesion performance on a wide variety of substrates.

APPLICATIONS

- Specifically developed for bonding windscreens, side and rear windows in passenger cars, trucks, tractors and special vehicles
- Bonding fibreglass reinforced elements e.g. roof, side, front and rear panels on vehicles
- Can be used in applications where a strong elastic-structural bond is required between elements of different composition, that are subjected to strong mechanical or thermal stress e.g. automotive paint, metal and fibreglass reinforced plastic.

FEATURES

- Rapid application and curing
- Non-sagging properties, good thixotropy
- High shear modulus
- Good non-sagging properties
- Suitable for cold application
- Short cut off string
- Non-conductive; low volume resistivity, suitable for use with integral aerials
- Prevents contact corrosion in aluminium body vehicles.

ADHESION

The use of Prep G is recommended on ceramic-coated glass, several coated and uncoated metals and some plastics (e.g. SMC), surfaces should be thoroughly cleaned with cleaner I prior to the application of Prep G. Due to the variety of substrates available Bostik recommends adhesion testing prior to use (please contact your local representative for more information)

For more details on Prep G, consult the specific Technical Data Sheet.

TECHNICAL DATA

CHARACTERISTIC		VALUE
Basic material		Polyurethane
Curing method		Moisture
Specific gravity	[g/ml]	ca. 1.19
Skin forming time 23°C/50% R.H.	[min]	ca. 30
Open time 23°C/50% R.H.	[min]	ca. 30
Curing speed after 24hrs 23°C/50% R.H.	[mm]	ca. 3
Shore A hardness		ca. 50
Electrical volume resistivity	[Ω.cm]	>10 ⁷
Tensile stress (100%) ISO 37 (dumbbells)	[MPa]	ca. 3.5
Tensile stress at break ISO 37 (dumbbells)	[MPa]	ca. 9.0
Elongation at break ISO 37 (dumbbells)	[%]	ca. 400
E-Modulus (10%) ISO 37 (dumbbells)	[MPa]	ca. 5.0
Shear stress ISO 4587	[MPa]	ca. 4.0
Isocyanate percentage	[%]	>0.1%
Temperature resistance	[°C]	-40 to +100
Application temperature	[°C]	+5 to +40
UV and weather resistance		Good
Colours (standard)		Black
Packaging		600 ml sausages

METHOD OF USE

Bostik PSR 50-08 can easily be extruded with a hand or air pressure gun at temperatures between +5°C and +40°C.

In bonding applications, the substrates need to be assembled within 30 minutes (at 23°C/50% R.H.) of applying PSR 50-08. In general, a minimum adhesive thickness of 2 mm is recommended.

Bostik PSR 50-08 should be tooled or smoothed within 30 minutes (at 23°C/50% R.H.) using a spatula or putty knife, occasionally moistened with a soap solution (avoid soaps containing limonene as these can discolour the adhesive). Avoid soap solution penetrating between joint sides and adhesive, as this will cause loss of adhesion.

Cleaning tools or removing uncured residue of PSR 50-08 can be done with a clean colourless cloth, wetted with Simson Liquid 1 It is recommended to check for possible attack of the substrate by Liquid 1 before use.

STORAGE STABILITY

PSR 50-08 can be stored for up to 12 months in original, unopened containers in a dry place at temperatures between +5°C and +25°C.

FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS).

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

SMART HELP

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