

P1002 – Technical Data Sheet



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Description

P1002 allows you to securely bond and safely repair PVC inflatable products, including boats and life-saving equipment.

P1002 is a single-part adhesive. It can be a two-part adhesive when used in conjunction with a curing agent. Either method provides an adhesive with excellent adhesion to both plasticised and unplasticised PVC. The additive improves heat resistance rather than extra strength. It gives the user the following benefits:

Benefits of **P1002** include:

- **P1002** ensures a secure bond because it is resistant to plasticisers and has been developed specifically for adhering PVC.
- **P1002** has a temperature resistance of -30°C to 120°C and is resistance to both sea water and chemicals.
- Extremely versatile.
- **P1002** is toluene free, making it suitable for both professional and non-professional use, thereby providing a larger potential customer base.
- **P1002** eliminates the need for expensive application equipment as it is easily and quickly applied with a brush or roller.

Physical Properties

Base	Polyurethane
Appearance	Neutral
Temperature Resistance	-30°C to 120°C
Coverage	4m ² /L
Application Temperature	5-30°C
Viscosity CPS	3000 cps
Tack-Life (20°C)	5 mins
Pot Life (20°C)	4-6 hours
Cure-Time (20°C)	48 hours/ 6 days for
Storage	5-25°C
Health & Safety	See MSDS

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Directions for Use

1. Ensure surfaces to be bonded are clean and free from grease and other contaminants. We recommend that you abrade substrates with a clean emery cloth or wipe with C1017.
2. Mix the curing agent thoroughly into the adhesive for five minutes (approximately). Ideally, mix in the proportions supplied or by components adhesive & curing agent at a ratio of 100:6 by weight. If using as a single part follow instructions 3 onwards.
3. Apply an even coat of the adhesive to both surfaces with a brush, roller coater or serrated trowel. Allow the adhesive to dry for 5-15 minutes or until it is dry to touch (knuckles).
4. Please note: Applying two thin coats of adhesive is preferable to ensure maximum adhesion. Leave the first coat to dry for approximately 20-30 minutes before applying the final coat. Allow the final coat to dry for 5 to 15 minutes.
5. Join the surfaces together using as much pressure as possible. This is to prevent air entrapment. Components may be handled within minutes of being bonded.

Please consult the P1002 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.