



Smith's Quay, Hazel Road
Woolston, Southampton
SO19 7GB, Great Britain
Telephone: (+44) 02380 434646
Email: info@bridgerubber.co.uk
Website: www.bridgerubber.com



Bridgebond™ Neoprene Rubber Contact Adhesive Technical Data Sheet

General Description

Bridgebond is a quality, high performance polychloroprene adhesive. It can be used as either a single or two part adhesive depending on the materials to be bonded and the bond strengths required. It was developed primarily for use with a curing agent to bond a range of rubbers and rubber coated fabrics (e.g. neoprene, hypalon, natural rubber, etc.) in inflatable constructions such as life rafts, dinghies, high-speed inflatable RIBs, etc. It may also be used in the manufacture of dry and wet suits for the bonding of rubber or nylon coated fabrics to themselves.

Bridgebond may also be used as a single component adhesive in many general purpose applications for bonding materials such as Formica, Melamine and laminates to wood, metal, etc.

Not suitable for bonding plasticised PVC (unless the substrate is first primed with a PVC primer) or expanded polystyrene.

Application

Surface Preparations

All substrates to be bonded should be thoroughly cleaned before bonding. Abrade surfaces using sandpaper or wire brushing followed by cleaning with Solvent 1 or similar to remove any grease and other contaminants liable to impair adhesion.

Materials should be mixed thoroughly; this usually takes 3-4 minutes mixing by hand. Mixed adhesive should not be used after 4 hours.

Apply a thin, even coat of the mixed adhesive to both substrates and allow to dry thoroughly. When dry, apply a further thin coat to both substrates and allow to tack off (10 - 15) minutes depending on drying conditions. Bring surfaces together and press firmly, finishing with a hand roller to ensure an even pressure.

Cross linking giving full strength and durability may take up to 7 days.

General use, single part

Apply an even coat of adhesive to both surfaces to be bonded and allow to dry for 10-20 minutes; until the solvent has evaporated but the adhesive remains tacky. Bring both surfaces together and consolidate the bond by use of roller or press.

Application - Mixing ratio

Bridgebond parts by weight / volume

Curing agent 6% by weight / 3.4% by volume



Smith's Quay, Hazel Road
 Woolston, Southampton
 SO19 7GB, Great Britain
 Telephone: (+44) 02380 434646
 Email: info@bridgerubber.co.uk
 Website: www.bridgerubber.com



Precautions

This type of product has been used quite safely for many years, but it is essential that the following are noted and observed.

- Keep the solution covered as much as possible; only have sufficient amount on the bench for immediate use.
- Contact between skin and eyes should be avoided – Wear gloves and goggles.
- In case of skin or eye contact irrigate affected area with plenty of clean water.
- Ensure good extraction or ventilation at point of application.
- Solvent base gives off a highly inflammable vapour; No smoking or pilot lights in the vicinity.
- Used wiping cloths should be washed in an excess of water before disposal.

Physical Data

	Bridgebond	Curing Agent
Physical Form	Liquid	Liquid
Colour	Off White	Pale Brown
Chemical Type	Polychloroprene rubber, Synthetic resin	Polyisocyanate
Solvent	Mixture of hydrocarbons, Toluene and Ketones	Dichlormethane Ethyl Acetate
Viscosity (Brookfield RVT, 10rpm @ 20 Celcius	2400 mPas (Approx)	----
Solids Content	22% (Approx)	27% (Approx)
Specific Gravity	0.85 (Approx)	1.3 (Approx)
Flammability	Highly flammable	Highly flammable
Open Time	10 – 30 minutes subject to substrate conditions and length of time after addition of curing agent	
Pot Life (2 component mix)	4 Hours (Approx)	
Packaging	4.835 Litre 960ml 240ml	165ml 40ml 10ml
Application Temperature	10 – 25 Celcius	



Smith's Quay, Hazel Road
Woolston, Southampton
SO19 7GB, Great Britain
Telephone: (+44) 02380 434646
Email: info@bridgerubber.co.uk
Website: www.bridgerubber.com



Special Comments

Storage

Store in accordance with the requirements of The Petroleum Regulations in a flameproof area between 5°C and 25°C.

Important Notice

Data contained in this document is for information only and is believed to be reliable. Bridge Rubber & Plastics LTD cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine the suitability of the product for any specific purpose.

Before using this product ensure that you have been supplied with and have read carefully the following information.

- < The hazard label (complying with latest CDG/CPL regulations) applied to the container.
- < Material Safety Data Sheets, Bridgebond Part A + B