

# Technical Data Sheet

TDS B3285 POLYOLEFIN BONDER

Revised

03.08.10



**BARNWELL**

THE SEAL OF APPROVAL

## Bondloc B3285 POLYOLEFIN BONDER

### PRODUCT DESCRIPTION

B3285 is a high viscosity, two component modified methacrylate 'structural' adhesive system. BONDLOC B3285 has been designed to produce high strength rigid bonds between metals and thermoplastics in industrial bonding applications. BONDLOC B3285 has a short open time, working time is around 4 minutes, and the product will achieve a high level of final strength around 10 minutes after application. BONDLOC B3285 when cured displays excellent resistance to moderate acids and bases (pH3-10). Hydrocarbons and salt solutions.

### APPLICATIONS

B3285 is suitable for bonding PP'S Acrylics, ABS, GRP, UPVC, Polyesters, Polyurethane's, Polystyrenes, Polyvinylesters and steels (Anti corrosion treatment and priming may be necessary on some steels)...

### STORAGE

Store in a dry area out of direct sunlight and not below 15°C. Shelf life 9 months unopened at 20°C when correctly stored.

### HEALTH & SAFETY IN USE

Avoid skin and eye contact and inhalation of vapours during use. Wear suitable protective clothing, including suitable goggles and respiratory protection.

#### Skin contact

Wash with soap and water

#### Eye contact

Flush with water for at least 15 minutes

### SEEK MEDICAL ATTENTION

Consult the Health & Safety Sheet for this product. Contains a Polyol blend with a high functional MDI catalyst system. Due to the nature of the packaging and application the product is not normally found to come into contact with the skin. Reaction by-product of the cure process is minimal, however, the product should be treated as an Irritant and as Harmful as it can cause sensitisation in some individuals, in unmixed state.

### TECHNICAL FEATURES

	Adhesive	Activator
Colour	Amber	White
Viscosity	17,000 – 30,000 cps	35,000 – 55,000 cps
Shelf life	6 months	
Storage	4°C	
Open time	2 ½ - 3 mins	
Full Cure Time @ 23°C	8 – 24 hours	
Time to handling strength (min 50psi shear @ 23°C	2 – 3 hrs	

### TYPICAL BOND CHARACTERISTICS

Tensile strength (ASTM D638)	Steel 24.5 Mpa
Tensile Modulus (ASTM D638)	Steel 1130 Mpa
Tensile Elongation (ASTM D638)	Steel 24.7 %
Shear strength (ASTM D1022)	Steel 24.3 Mpa

### PRESENTATION

Cartridges.....38ml

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used. Stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.