

TECHNICAL DATA SHEET

UREPAC[®] BOND 10 300

PRODUCT DESCRIPTION

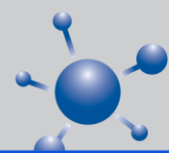
UrePac[®] Bond 10 300 is a single component adhesive based on polyether polyol and modified MDI isocyanate. The adhesive is a polyurethane pre-polymer with a surplus of isocyanate which reacts with the moisture in the atmosphere to cure the product. The product was designed as a binder for rubber crumb.

PRODUCT FEATURES

- Very high bond strength
- Fast Reactivity
- Solvent Free
- Single Component
- Low viscosity

UREPAC BOND 10 300 SPECIFICATION

Appearance:	Clear Yellow Liquid
Specific Gravity (22°C):	1.10 ± 0.02 g/mL
Viscosity (Brookfield) (22°C):	4,000 ± 2,000 mPa.s



TYPICAL ADHESIVE PROPERTIES

Test	Specification	Units
Type	Polyurethane	
Application Temperatures	15 - 40	°C
Application Rate	20% w/w to rubber granules	
Gel Time/Pot life (22°C):	300 ± 40	minutes
Set Time (22°C):	Overnight	

At 22°C and 50% relative humidity unless otherwise specified.

PACKAGING OPTIONS

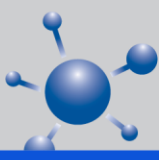
Packaging	UrePac Bond 10 300
20L Open Head Pail	20kg
205L Open Head Drum	220kg
1000L IBC	1100kg

PROCESSING CONDITIONS

The adhesive should be preconditioned to 22-25°C to ensure that it will have consistent reactivity and performance.

Clamping pressures should be between 50-150psi depending on the substrate.

Substrates should have a moisture content of at least 8-10%, otherwise a misting of water is required for the adhesive to cure. The adhesive will expand slightly during cure, filling any gaps in the substrate. Clean up should be with a non-alcohol containing solvent such as acetone or xylene.



STORAGE

UREPAC BOND 10 300 should be stored in closed containers under dry conditions out of direct sunlight between 18 and 25°C. This product reacts with moisture in the air, so thoroughly reseal containers when not in use.

This product will have a minimum shelf life of six months when stored under these conditions.

CURED PRODUCT: Like all polyurethanes based on aromatic isocyanates this adhesive is **not** UV stable and will have surface discolouration and degradation if exposed to UV radiation and sunlight. Please speak to our technical consultants regarding your options if this product is required for use in external applications.

DISPOSAL

Liquid Systems: Liquid polyol or isocyanates should be disposed of with an EPA approved industrial waste company which meet all applicable federal, state and local laws and regulations.

Cured Urethanes: Fully reacted and cured polyurethanes are inert and can be disposed of as regular landfill.

Container: Dispose of decontaminated drums in accordance with all applicable federal, state and local laws and regulations.

Do Not Re-use Empty Container.

Do Not Cut or Weld Empty Container.

WATER CONTAMINATION CAN CAUSES DANGEROUS PRESSURE BUILD UP IN ISOCYANATE DRUMS

DISCLAIMER

This information is given in good faith but without warranty and is supplied to users based on our general experience and, where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside our knowledge and control that can affect the use of these products, it is imperative that the end user is satisfied that the material will meet their individual processing and performance requirements. Pacific Urethanes Pty Ltd cannot accept liability for any injury, loss or damage resulting from reliance upon this information. All sales of this product shall be subject to Pacific Urethanes' Terms and Conditions of Sale. For a copy of these terms please contact us at info@pacificurethanes.com.

For additional information, consult the Material Safety Data Sheet for this product.

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