

## TECHNICAL DATA SHEET

# UREPAC<sup>®</sup> BOND 20 600

### PRODUCT DESCRIPTION

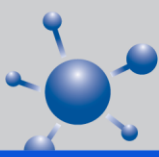
UrePac<sup>®</sup> Bond 20 600 is a single component adhesive based on polyether polyol and modified MDI isocyanate. The adhesive is a polyurethane pre-polymer with a surplus of isocyanate which reacts with the moisture in the atmosphere to cure the product. The product was formulated as a low viscosity binder for aggregate.

### PRODUCT FEATURES

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

### UREPAC BOND 20 600 SPECIFICATION

|                                |                   |
|--------------------------------|-------------------|
| <b>Appearance:</b>             | Brown liquid      |
| Specific Gravity (22°C):       | 1.15 +- 0.05 g/ml |
| Viscosity (Brookfield) (22°C): | 500 +- 200 mPa.s  |



## TYPICAL ADHESIVE PROPERTIES

| Test                      | Specification | Units            |
|---------------------------|---------------|------------------|
| Type                      | Polyurethane  |                  |
| Application Temperatures  | 15 - 40       | °C               |
| Application Rate          | 150 - 250     | g/m <sup>2</sup> |
| Gel Time/Pot life (22°C): | 600 ± 30      | minutes          |
| Set Time (22°C):          | Overnight     |                  |

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

## PACKAGING OPTIONS

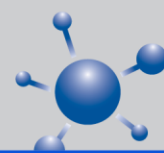
| Packaging             | UrePac Bond 20 600 |
|-----------------------|--------------------|
| 20L Open Head Pail    | 20kg               |
| 60L Closed Head Drum  | 60kg               |
| 205L Closed Head Drum | 220kg              |
| 1000L IBC             | 1100kg             |

## 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 20 600** 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](mailto:info@pacificurethanes.com).

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

Revision Number: 01      Revision Date: 02/04/2019

