UrePac® Rigid 30 20 is a two component, polyurethane rigid foam comprising of a polyether polyol and MDI based isocyanate. The system has been developed with a long cream time and for use as a low density, open cell insulation and void filling.

PRODUCT FEATURES

➢ Excellent Flow
➢ Low lateral pressure during expansion
➢ Excellent Acoustic properties

UREPAC RIGID 30 20 (POLYOL) SPECIFICATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Clear Colourless liquid</td>
</tr>
<tr>
<td>Specific Gravity (22°C):</td>
<td>1.03 ± 0.02 g/mL</td>
</tr>
<tr>
<td>Viscosity (Brookfield) (22°C):</td>
<td>300 ± 100 mPa.s</td>
</tr>
</tbody>
</table>

Spindle 1 Speed 20

UREPAC ISO2001 MDI (ISOCYANATE) SPECIFICATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Clear brown liquid</td>
</tr>
<tr>
<td>Specific Gravity (22°C):</td>
<td>1.23 ± 0.02 g/mL</td>
</tr>
<tr>
<td>Viscosity (Brookfield) (22°C):</td>
<td>210 ± 70 mPa.s</td>
</tr>
</tbody>
</table>

Spindle 1 Speed 50
MIXED SYSTEM SPECIFICATION

Mix Ratio:  
By Weight  
100 Polyol : 120 Isocyanate  
By Volume  
100 Polyol : 100 Isocyanate

<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
<th>Units</th>
</tr>
</thead>
</table>
| Cream Time (22°C):  
  *Time from when mixing commences till the liquid starts to expand.* | 30 ± 3 seconds |        |
| String time (22°C):  
  *Time from when mixing commences till “strings can be pulled from the surface of the rising foam.* | 120 ± 5 seconds |        |
| Rise time (22°C):  
  *Time from when mixing commences till the foam finishes expanding.* | 160 ± 10 seconds |        |
| Free Rise Density (22°C):            | 20 ± 2 kg/m³  |        |

(Obtained from Laboratory 44g cup test, results will vary depending on mix quantities)

PACKAGING OPTIONS

<table>
<thead>
<tr>
<th>Packaging</th>
<th>UrePac Rigid 30 20 Polyol</th>
<th>UrePac ISO2001 MDI Isocyanate</th>
</tr>
</thead>
<tbody>
<tr>
<td>205L Closed Head Drum</td>
<td>210kg</td>
<td>250kg</td>
</tr>
<tr>
<td>1000L IBC</td>
<td>1050kg</td>
<td>1250kg</td>
</tr>
</tbody>
</table>

STORAGE

**POLYOL** should be stored in closed containers under dry conditions out of direct sunlight between 18 and 25°C.

**ISOCYANATE** should be stored separately from the polyol component, but under the same conditions.

Both products will have a minimum shelf life of six months when stored under these conditions.

**CURED PRODUCT:** Like all polyurethanes based on aromatic isocyanates this foam 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.
PROCESSING CONDITIONS:

All processing conditions are given as a guide only, it is the responsibility of the customer to satisfy themselves that the product is suitable for their requirements by running closely monitored trials prior to production.

COMPONENT PREPARATION

POLYOL should be mixed each day prior to use as the components can separate out overnight. If this component is held in day tanks they should be continuously agitated to prevent any separation during production.

ISOCYANATE does not need to be mixed prior to use.

Both Components should be preconditioned to 22-25°C to ensure that the components will have consistent reactivity and performance. If processing in a machine this usually requires recirculation for at least an hour prior to production commencing.

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.

Revision Number: 01

Revision Date: 25/04/2019