DE NEEF® Sealfoam PURe

Product Description

Sealfoam PURe is a single component, low viscosity, hydrophilic MDI based polyurethane resin. Sealfoam PURe is TDI and solvent free. Upon curing, it forms a flexible closed cell foam with excellent tensile and adhesion properties, that has good general chemical resistance.

Product Advantages

- Free foam expansion up to 5 times
- High bond and tensile strength
- Withstands thermal movement.
- Withstands wet/dry cycling.
- Single component
- Good chemical resistance

Product Applications

- Sealing dry moving non-structural cracks when used at a 1:1 ratio with water.
- Sealing wet moving non-structural cracks when used neat.

Properties

<table>
<thead>
<tr>
<th>SEALFOAM PURE RESIN</th>
<th></th>
<th>ASTM D1010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Velocity</td>
<td>280 cp at 77°F</td>
<td>ASTM D1638</td>
</tr>
<tr>
<td>Color</td>
<td>Clear to yellow liquid</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.10 g/cm³</td>
<td>ASTM D1638</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>293 °F</td>
<td>CC</td>
</tr>
<tr>
<td>Corrosiveness</td>
<td>Non-corrosive</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SEALFOAM PURE CURED</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Curing Time</td>
<td>Start 30 seconds End 3'10“</td>
<td>1:1 with water</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>863 psi</td>
<td>Neat</td>
</tr>
<tr>
<td>Elongation</td>
<td>129%</td>
<td>Neat</td>
</tr>
<tr>
<td>Expansion</td>
<td>4V</td>
<td>1:1 water:resin</td>
</tr>
<tr>
<td>Expansion</td>
<td>5V</td>
<td>4:1 water:resin</td>
</tr>
</tbody>
</table>

Note: The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown.
Packaging & Handling

Sealfoam PURe:

5 gallon metal pail
50 gallon metal drum
10.5 oz cartridges, singles and side-by-side

Sealfoam PURe is sealed under dry nitrogen because it is sensitive to moisture, and should be stored in original containers in a dry area. Storage temperature must be between 40 °F and 90 °F. Once the packaging has been opened, the useful life of the material is greatly reduced and should be used as soon as possible.

Shelf life: 2 years.

Installation Guidelines

Warning: Consult the Technical Data Sheets and SDS before using.

Installation Instructions: For detailed installation instructions refer to the DeNeef technical bulletin for your application.

Injection:

During injection the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the limits of the confined space and compress within itself, forming a dense, closed cell foam.

Extreme conditions:

For application procedures in extreme temperatures and specific environments or equipment recommendations call the DeNeef Technical Service Department.

Cleaning:

Clean all tools and equipment which have been in contact with the resin with DeNeef Washing Agent before resin has cured. Products should be disposed of according to local, state, and federal laws.

Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Safety Data Sheet (SDS) for detailed safety precautions. SDS’s can be obtained from GCP Applied Technologies or from our web site at gcpat.com.
Limitations

Low temperatures will significantly affect viscosity. If site temperatures are extremely low, heat bands or heated water baths may be used on the pails before and during installation to maintain the product’s temperature. Avoid splashing water into open containers, as the material is water activated. Avoid exceeding 90° F when warming.

CAUTION: pH NOTICE. Water used to activate PURe Grouts must be in the pH range of 3–10 for optimum foam quality.