**Product description & application**

ProRox® PS 980 NA is a heavy duty, pressure resistant pre-formed mandrel wound mineral wool (stone wool) pipe section. The highly durable sections are supplied split and hinged for easy snap-on assembly, and are especially suitable for thermal and acoustic insulation of high temperature industrial pipe work subjected to heavy mechanical loads.

**Product properties in accordance with ASTM C547**

<table>
<thead>
<tr>
<th>Performance</th>
<th>Norms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thermal conductivity</strong></td>
<td></td>
</tr>
<tr>
<td>$T_m$ (°F)</td>
<td>100</td>
</tr>
<tr>
<td>$\lambda$ (BTU/hr<em>ft²</em>°F)</td>
<td>0.25</td>
</tr>
<tr>
<td>$T_m$ (°C)</td>
<td>38</td>
</tr>
<tr>
<td>$\lambda$ (W/mK)</td>
<td>0.036</td>
</tr>
</tbody>
</table>

**Maximum Service Temperature**

- Hot Surface Performance: 1400 °F - (760 °C)  
- Sag Resistance: ≤ 2% at 1400 °F - (760 °C)  
- Maximum Use Temperature: 1200 °F - (650 °C)  
- Linear Shrinkage: ≤ 1% at 1200 °F - (650 °C)  

**Reaction to fire**

- Surface burning characteristics: Flame spread index = 0; Smoke development index = 0  
- ASTM E84 (UL 723)

**Nominal density**

- 11.25 lb/ft³ - (180 kg/m³)  
- ASTM C302

**Corrosion resistance**

- Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed  
- Corrosion of Steel = Passed  
- ASTM C692  
- ASTM C665

**Chemical Analysis**

- (Salts: Cl⁻, F⁻, Na⁺, SiO₄²⁻) Results fall within acceptability limits of ASTM C795  
- ASTM C795 / ASTM C871

**Water Absorption/Vapor Sorption**

- < 1% Weight  
- ASTM C1104

**Compressive strength**

- >1000psf (53kPa) 010% compression  
- ASTM C165

**Compliance**

- Complies with: Grade A Type I, II, IV, V  
- ASTM C547  
- Inner & Outer Diameters for Nominal Pipe Sizes complies with:  
- ASTM C585  
- ROXUL offers a wide range of facings, dimensions and thicknesses. Please contact ROXUL for further information.

**NOTE:** **Provisions for lot testing may be required, consult manufacturer. As ROXUL® Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL® Inc. does not warranty the performance or results of any installation containing ROXUL® Inc’s products. ROXUL® Inc’s overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.**

©/®/TM: US – owner Rockwool International A/S used under license; Canada - owner Roxul Inc.