

## ProRox® SL 920<sup>NA</sup>



Old name: ROXUL RHT® 30

### Product description & application

ProRox® SL 920<sup>NA</sup> is a semi-rigid mineral wool (stone wool) thermal insulation board for intermediate temperature industrial applications.

### Product properties in accordance with ASTM C612

|   | Performance   |       |       |                    |       |       |  | Norms                             |
|---|---|-------|-------|--------------------|-------|-------|--|-----------------------------------|
| <b>Thermal conductivity</b>                 | T <sub>m</sub> [°F]   | 100   | 200   | 300                | 400   | 500   |  | ASTM C177                         |
|   | λ (BTU.in/hr.ft².°F)  | 0.27  | 0.34  | 0.42               | 0.53  | 0.66  |  |                                   |
|   | T <sub>m</sub> [°C]   | 38    | 93    | 150                | 204   | 260   |  |                                   |
|   | λ (W/mK)  | 0.039 | 0.050 | 0.061              | 0.074 | 0.089 |  |                                   |
| <b>Maximum Service Temperature</b>          | Hot Surface Performance: 1200 °F- (650 °C)  |       |       |                    |       |       |  | ASTM C411                         |
|   | Non-Combustible   |       |       |                    |       |       |  | ASTM E136 / CAN4 S114             |
|   | Linear Shrinkage: ≤ 1 % at 1200 °F- (650 °C)  |       |       |                    |       |       |  | ASTM C356                         |
| <b>Reaction to fire</b>                     | Surface burning characteristics<br>Flame spread index = 0 ; Smoke development index = 0   |       |       |                    |       |       |  | ASTM E84 (UL 723)<br>CAN/ULC S102 |
| <b>Density</b>                              | Actual Density = 2.5 lb/ft³ - (40 kg/m³)<br>Nominal Density = 3.0 lb/ft³  |       |       |                    |       |       |  | ASTM C303                         |
| <b>Corrosion resistance **</b>              | Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed<br>Corrosion of Steel = Passed  |       |       |                    |       |       |  | ASTM C692<br>ASTM C665            |
| <b>Chemical Analysis **</b>                 | [Salts: Cl <sup>-</sup> , F <sup>-</sup> , Na <sup>+</sup> , SiO <sub>4</sub> <sup>4-</sup> ] Results fall within acceptability limits of ASTM C795 |       |       |                    |       |       |  | ASTM C795 / ASTM C871             |
| <b>Thermal Resistance</b>                   | R-Value / inch @ 75 °F  |       |       | 4.1 hr. ft².°F/BTU |       |       |  | ASTM C518 (C177)                  |
|   | RSI value / 25.4mm @ 24 °C  |       |       | 0.72 m² K/W        |       |       |  |                                   |
| <b>Water Absorption/<br/>Vapor Sorption</b> | < 1 % Weight  |       |       |                    |       |       |  | ASTM C1104/1104M                  |
| <b>Compliance</b>                           | Complies with Type: IVA   |       |       |                    |       |       |  | ASTM C612                         |
|   | ROXUL offers a wide range of facings, dimensions and thicknesses.<br>Please contact ROXUL for further information.                                  |       |       |                    |       |       |  |                                   |

Surface Burning Characteristics: UL Listed to Canadian standard CAN/ULC S102 ; UL Classified to UL 723



NOTE: \*\* Provisions for lot testing may be required, consult manufacturer.

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