

# ProRox® FSL 940<sup>NA</sup>



Old name: ROXUL RHT® 60 FLEX

## Product description & application

ProRox® FSL 940<sup>NA</sup> is a flexible mineral wool (stone wool) thermal insulation board for high temperature industrial applications.

## Product properties in accordance with ASTM C553

|   | Performance   |       |       |       |                    |       |       |       | Norms                             |
|---|---|-------|-------|-------|--------------------|-------|-------|-------|-----------------------------------|
| <b>Thermal conductivity</b>                 | T <sub>m</sub> [°F]   | 100   | 200   | 300   | 400                | 500   | 600   | 700   | ASTM C177                         |
|   | λ [BTU.in/hr.ft².°F]  | 0.25  | 0.30  | 0.36  | 0.42               | 0.52  | 0.63  | 0.75  |                                   |
|   | T <sub>m</sub> [°C]   | 38    | 93    | 150   | 204                | 260   | 316   | 371   |                                   |
|   | λ [W/mK]  | 0.036 | 0.043 | 0.052 | 0.061              | 0.075 | 0.091 | 0.108 |                                   |
| <b>Maximum Service Temperature</b>          | Hot Surface Performance: 1200 °F- (650 °C)  |       |       |       |                    |       |       |       | ASTM C411                         |
|   | Non-Combustible   |       |       |       |                    |       |       |       | ASTM E136 / CAN4 S114             |
|   | Linear Shrinkage: ≤ 2 % 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 = 4.4 lb/ft³ - (70 kg/m³)<br>Nominal Density = 6.0 lb/ft³  |       |       |       |                    |       |       |       | ASTM C167                         |
| <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  |       |       |       | 4.2 hr. ft².°F/BTU |       |       |       | ASTM C518 (C177)                  |
|   | RSI value / 25.4mm @ 24 °C  |       |       |       | 0.76 m² K/W        |       |       |       |                                   |
| <b>Water Absorption/<br/>Vapor Sorption</b> | < 1 % Weight  |       |       |       |                    |       |       |       | ASTM C1104/1104M                  |
| <b>Compliance</b>                           | Complies with Type: VII   |       |       |       |                    |       |       |       | ASTM C553                         |
|   | 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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