

## ProRox® SL 560<sup>NA</sup>



Old name: ROXUL RHT® 120

### Product description & application

ProRox® SL 560<sup>NA</sup> is a pressure resistant rigid mineral wool (stone wool) insulation board designed for high temperature applications subjected to medium mechanical loads.

### Product properties in accordance with ASTM C612

|  | Performance   |       |       |       |  |       |       |       | Norms                             |
|--|---|-------|-------|-------|--|-------|-------|-------|-----------------------------------|
| <b>Thermal conductivity</b>  | T <sub>m</sub> (°F)   | 100   | 200   | 300   | 400  | 500   | 600   | 700   | ASTM C177                         |
|  | λ (BTU.in/hr.ft <sup>2</sup> .°F)   | 0.27  | 0.29  | 0.34  | 0.40   | 0.45  | 0.52  | 0.61  |                                   |
|  | T <sub>m</sub> (°C)   | 38    | 93    | 149   | 204  | 280   | 316   | 371   |                                   |
|  | λ (W/mK)  | 0.038 | 0.041 | 0.048 | 0.056  | 0.063 | 0.073 | 0.085 |                                   |
| <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 = 8.6 lb/ft <sup>3</sup> - (137 kg/m <sup>3</sup> )<br>Nominal Density = 12.0 lb/ft <sup>3</sup>                                     |       |       |       |  |       |       |       | 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<br>RSI value / 25.4mm @ 24 °C  |       |       |       | 4.0 hr. ft <sup>2</sup> .°F/BTU<br>0.71 m <sup>2</sup> K/W |       |       |       | ASTM C518 (C177)                  |
| <b>Water Absorption/<br/>Vapor Sorption</b>  | < 1 % Weight  |       |       |       |  |       |       |       | ASTM C1104                        |
| <b>Compressive strength</b>  | ≥ 400psf (20kPa) @ 10% compression  |       |       |       |  |       |       |       | ASTM C165                         |
| <b>Compliance</b>  | Complies with Type: IVB   |       |       |       |  |       |       |       | 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.

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.

