

ProRox® MA 961

ProRox MA 961 is a rolled stone wool insulation mat (wrap) faced as standard with black fibrous scrim. The mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation. WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use. Reinforced aluminium foil facing is available upon request.



Application

The mat (wrap) is suitable for the thermal and acoustic insulation of high-temperature industrial applications exposed to the environment and subjected to light mechanical loads, such as large diameter piping, vessels, ducts and equipment.

Product properties in accordance with ASTM C553

| | Performance | | | | | | | | Norms |
|--|---|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| Thermal conductivity at mean temperature | T_m (°F) | 100 | 200 | 300 | 400 | 500 | 600 | 700 | ASTM C177 |
| | λ (BTU.in/hr.ft ² .°F) | 0.25 | 0.30 | 0,34 | 0,40 | 0,48 | 0,58 | 0,68 | |
| | T_m (°C) | 38 | 93 | 150 | 204 | 260 | 316 | 371 | |
| | λ (W/mK) | 0.036 | 0.043 | 0,049 | 0,058 | 0,069 | 0,084 | 0,098 | |
| Maximum use temperature | 1200 °F (649 °C) | | | | | | | | ASTM C447 |
| Linear shrinkage | ≤ 4% @ 1,200 °F (649 °C) | | | | | | | | ASTM C356 |
| Surface burning characteristics | Flame spread index ≤ 25; Smoke development index ≤ 50 | | | | | | | | ASTM E84 (UL723) |
| | Flame spread index ≤ 25; Smoke development index ≤ 50 | | | | | | | | ULC S102 |
| Nominal density | 5.7 lb/ft ³ (91 kg/m ³) | | | | | | | | ASTM C167 |
| Corrosion resistance | "Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passes" | | | | | | | | ASTM C692 / ASTM C795 |
| | "Chemical analysis for Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻ according to ASTM C795 = Passes" | | | | | | | | ASTM C871 / ASTM C795 |
| Water absorption | ≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) at ambient conditions | | | | | | | | EN 1609 |
| | ≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) after 24 hrs. pre-heating at 482 °F (250 °C) | | | | | | | | |
| Vapor sorption | < 1% weight | | | | | | | | ASTM C1104 |

Compliance

- ProRox MA 961 fully complies with the requirements as set by internationally recognized standards like ASTM C553 Type VII.
- ROCKWOOL stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.

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