# ProRox® MA 960NA




ProRox MA 960 is a rolled stone wool insulation mat faced as standard with black fibrous scrim. The mats are produced with an innovative water-repellent binder, know 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 aluminum foil facing (RFF) 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[1)]

| Property | Performance | | | | | | | | Test standard |
|---|---|---|---|---|---|---|---|---|---|
| Thermal conductivity at mean temperature | $T_m$ (°F) | 100 | 200 | 300 | 400 | 500 | 600 | 700 | ASTM C177 |
| | λ (BTU.in/hr.ft².°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 (650 °C) | | | | | | | | ASTM C447 / C411 |
| Linear shrinkage | ≤ 4% at 1200 °F (650 °C) | | | | | | | | ASTM C356 |
| Reaction to Fire | **Flame spread index = 20; Smoke development index ≤ 5** | | | | | | | | ASTM E84 (UL723) |
| Corrosion resistance | Stress corrosion cracking tendency of austenitic stainless steel = passed | | | | | | | | ASTM C692 / ASTM C795 |
| | Chemical analysis ($Cl^-$, $Fl^-$, $Na^+$, $SiO_4^{4-}$): results fall within acceptability limits of ASTM C795 | | | | | | | | ASTM C871 / ASTM C795 |
| | Trace quantities of water soluble chloride ions: ≤ 10 ppm | | | | | | | | EN 13468 / ISO 12624 |
| Water absorption | ≤ 0.04 lb/ft² (≤ 0.2 kg/m²) at ambient conditions<br>≤ 0.04 lb/ft² (≤ 0.2 kg/m²) after 24 hrs pre-heating at 482 °F (250 °C) | | | | | | | | EN 1609 / ISO 29767 |
| Vapor sorption | < 1% weight | | | | | | | | ASTM C1104 |
| Nominal density[2)] | Nominal density 8 lb/ft³ (128 kg/m³) / Actual density 5.7 lb/ft³ (91 kg/m³) | | | | | | | | ASTM C167 |

1) All values are nominal values for standard industrial production. Standard industrial production tolerances applicable.
2) Density is not a performance criteria but is commonly referred to when specifying insulation. Actual density is the true density of the insulation and nominal density is the effective density of the insulation relative to a historic benchmark where the insulation contained 40% non-fibrous content also known as shot (ASTM C612-99).

## Compliance

- ProRox MA 960 fully complies with the requirements as set by internationally recognized standards like ASTM C553.
- Noise reduction data available in accordance with ISO 15665.
- 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.

## Disclaimer

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