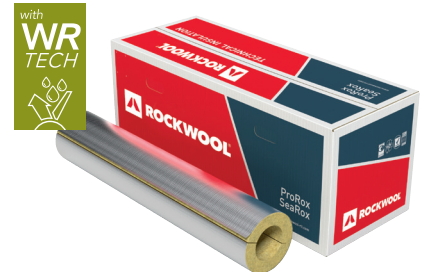


ProRox® PS 970 ALU

with WR-Tech



ProRox PS 970 ALU is an aluminum foil faced mandrel wound pipe section. The insulation sections are made out of stone wool and are produced with an innovative water repellent binder called WR-Tech to mitigate the risk of corrosion under insulation.

Application

The highly durable insulation sections are supplied split and hinged for easy snap-on assembly and are especially suitable for thermal and acoustic insulation of high temperature industrial pipe work which is subjected to mechanical loads.

Product properties in accordance with EN 14303



| Properties | Performance | | | | | | | | Norms |
|--|---|-------|-------|-------|-------|-------|-------|-------|---------------|
| Thermal conductivity at mean temperature | T_m (°C) | 50 | 100 | 150 | 200 | 250 | 300 | 350 | EN 14707 |
| | λ (W/mK) | 0.040 | 0.046 | 0.053 | 0.062 | 0.073 | 0.085 | 0.099 | |
| Maximum Service Temperature | 680°C the outer surface temperature for ALU faced products should be limited to 80°C | | | | | | | | EN 14707 |
| Melting point | >1000°C | | | | | | | | DIN 4102-17 |
| Reaction to fire | Euroclass A ₂ -S1.d0 | | | | | | | | EN 13501-1 |
| | Non Combustible Low flame spread characteristics | | | | | | | | IMO 2010 FTPC |
| Nominal density (*) | 140 kg/m ³ | | | | | | | | EN 13470 |
| Corrosion resistance | Trace quantity of water leachable chloride ions: ≤ 10 ppm | | | | | | | | EN 13468 |
| Water absorption | ≤ 0.2 kg/m ² | | | | | | | | EN 13472 |
| | ≤ 0,2 kg/m ² (After 24 hrs. pre-heating at 250°C) | | | | | | | | |
| Water vapour diffusion resistance | $S_d > 200$ m | | | | | | | | EN 14303 |
| Air Flow Resistivity | > 90 kPa.s/m ² | | | | | | | | EN 29053 |
| Influence on coating systems | Free from substances (e.g. silicone oil) that might impair surface wetting | | | | | | | | VW 3.10.7 |
| EN 14303 Designation code | MW EN 14303-T9(T8 if Do <150)-ST(+)-680-WS1-CL10-MV2 | | | | | | | | EN 14303 |
| AGI Designation code | 10.04.04.68.99 | | | | | | | | AGI Q132-06 |

(*) ProRox insulation fully complies with EN 14303. Density is not an insulation property in itself, it only reflects the actual weight of the product per cubic meter.

Compliance

- ProRox PS 970 ALU Pipe Sections fully comply with the requirements as set by internationally recognized standards like EN 14303, CINI 2.2.03, VDI 2055, ASTM C795, ASTM C547: Grade A for Type I, II, IV.
 - Above product properties reflect only to European (EN) standards. Compliance and Performance according to ASTM standards can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.
 - Validity of CE Marking & (AGI) designation code is restricted to the European production facilities.
- + Noise reduction data available in accordance to ISO 15665.

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