

ProRox® PS 960

with WR-Tech

ProRox PS 960 is a 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. A reinforced aluminum foil facing is available upon request.



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 industrial pipe work.

Product properties in accordance with ASTM C547

| Properties | Performance | | | | | | | | Norms |
|--|--|-------|-------|-------|-------|-------|-------|-------|--|
| Thermal conductivity at mean temperature | T_m (°F) | 100 | 200 | 300 | 400 | 500 | 600 | 700 | ASTM C335 |
| | λ (BTU.in/hr.ft².°F) | 0.25 | 0.29 | 0.35 | 0.40 | 0.47 | 0.56 | 0.63 | |
| | T_m (°C) | 38 | 93 | 149 | 204 | 260 | 316 | 371 | |
| | λ (W/mK) | 0.036 | 0.042 | 0.050 | 0.058 | 0.068 | 0.081 | 0.091 | |
| Maximum use temperature | 1,200°F (649°C) | | | | | | | | ASTM C447 |
| Sag resistance | ≤ 2% at 1,200°F (649°C) | | | | | | | | ASTM C411 |
| Linear shrinkage | ≤ 1% at 1,200°F (649°C) | | | | | | | | ASTM C356 |
| Surface burning characteristics | Flame spread index = 0; Smoke development index = 0 | | | | | | | | ASTM E84 |
| Reaction to fire | Non combustible | | | | | | | | IMO 2010 FTPC |
| Corrosion resistance | Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passed Chemical analysis for Cl⁻, F⁻, Na⁺, SiO₄⁴⁻: Results fall within acceptability limits of ASTM C795 Trace quantity of water leachable chloride ions: ≤ 10 ppm | | | | | | | | ASTM C692 / ASTM C795 ASTM C871 / ASTM C795 EN 13468 |
| Water absorption | ≤ 0.04 lb/ft² (≤ 0.2 kg/m²) ≤ 0.04 lb/ft² (≤ 0.2 kg/m²) (After 24 hrs. pre-heating at 482°F (250°C)) | | | | | | | | EN 13472 |
| Vapor sorption | < 1% Weight | | | | | | | | ASTM C1104 |
| Influence on coating systems | Free from substances (e.g. silicone oil) that might impair surface wetting | | | | | | | | VW 3.10.7 |

Compliance

- ProRox PS 960 Pipe Sections fully comply with the requirements as set by internationally recognized standards like ASTM C547: Grade A for Type I, II, IV. EN 14303, CINI 2.2.03, VDI 2055 and ASTM C795.
- Above product properties reflect only to ASTM standards. Compliance and Performance according to European (EN) standards can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.

+ Noise reduction data available in accordance to ISO 15665.

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