

ProRox® WM 961

ProRox WM 961 is a lightly bonded heavy-duty stone wool insulation mat stitched on galvanized wired mesh with galvanized wire. Stainless steel mesh, stainless steel binding wire and/or reinforced aluminium foil facing are available upon request. The wired mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). 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.



Application

The wired mat is suitable for the thermal and acoustic insulation of industrial installations exposed to the environment, such as outdoor industrial pipework, reactors and furnaces at petrochemical plants and refineries.

Product properties



| Properties | Performance | | | | | | | | | | | | | Norms |
|-----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|
| Thermal conductivity | T (°C) | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | 600 | 660 | EN 12667 | |
| | λ (W/mK) | 0,039 | 0,045 | 0,052 | 0,059 | 0,068 | 0,078 | 0,089 | 0,102 | 0,131 | 0,167 | 0,191 | | |
| Maximum Service Temperature | 660°C | | | | | | | | | | | | EN 14706 | |
| Reaction to fire | Euroclass A1 Non-Combustible | | | | | | | | | | | | EN 13501-1 IMO 2010 FTPC | |
| Nominal density | 100 kg/m ³ | | | | | | | | | | | | EN 1602 | |
| Corrosion resistance | Trace quantity of water leachable chloride ions: ≤ 10 mg/kg | | | | | | | | | | | | EN 13468 | |
| Water absorption | $\leq 0,2$ kg/m ² $\leq 0,2$ kg/m ² (After 24 hrs. pre-heating at 250°C) | | | | | | | | | | | | EN 1609 | |
| Water vapour diffusion resistance | $\mu = 1$ | | | | | | | | | | | | EN 14303 | |
| 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-T2-ST(+)-660-WS1-CL10 | | | | | | | | | | | | EN 14303 | |

* Thickness class declared under the load of 1000 Pa.

Compliance

ProRox WM 961 Wired Mats fully comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.02, ASTM C592.

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