

# ProRox® WM 960

ProRox WM 960 is a lightly bonded heavy-duty stone wool insulation mat stitched on galvanized wired mesh with galvanized wire. Stainless steel mesh and binding wire (SW), and/or reinforced aluminium foil (ALU) 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 in accordance with EN 14303



| Properties                        | Performance   |       |       |       |       |       |       |       |       |       |       |       |          | Norms                       |
|-----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------------------------|
| Thermal conductivity              | T (°C)  | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 500   | 600   | 660   | EN 12667 |                             |
|                                   | $\lambda$ (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<br>Non-combustible   |       |       |       |       |       |       |       |       |       |       |       |          | EN 13501-1<br>IMO 2010 FTPC |
| Density                           | 100 kg/m <sup>3</sup>   |       |       |       |       |       |       |       |       |       |       |       |          | EN 1602                     |
| Corrosion resistance              | Trace quantity of water leachable chloride ions: $\leq 10$ mg/kg                                  |       |       |       |       |       |       |       |       |       |       |       |          | EN 13468                    |
| Water absorption                  | $\leq 0,2$ kg/m <sup>2</sup><br>$\leq 0,2$ kg/m <sup>2</sup> (After 24 hrs. pre-heating at 250°C) |       |       |       |       |       |       |       |       |       |       |       |          | EN 1609<br>EN ISO 29767     |
| 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 960 fully complies with the requirements as set by the internationally recognized standards like EN 14303, ASTM C592 Type III, ASTM C795, VDI 2055 and CINI 2.2.02.
- Above product declarations are also applicable for other available product variances and/or optional facings.
- 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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