

ProRox WM 960^{UK}



Old name: Wired Mat Industrial

Product description

ProRox WM 960^{UK} is a lightly bonded heavy stone wool mat stitched on galvanised wired mesh with galvanised wire. The wired mat is especially suitable for industrial installations such as high-pressure steam pipes, reactors, furnaces, etc. where high demands are made on the temperature resistance of the insulation. ProRox WM 960^{UK} wired mats can also be supplied in a special water repellent grade to meet the BP Engineering Standard 172. Galvanised mesh and stitching can be substituted by stainless steel. Please ask for:

- ProRox WM 961^{UK}: Special water repellent grade in accordance with BP 172
- ProRox WM 960 SWM2^{UK}: Stainless steel stitching wire and stainless steel mesh on both sides

Product properties in accordance with EN 14303:2009+A1:2013

| | Performance | | | | | | | | | | | | Norms |
|-----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Thermal conductivity | T _m [°C] | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | 600 | 650 | EN 12667 |
| | λ (W/mK) | 0.041 | 0.047 | 0.055 | 0.065 | 0.077 | 0.090 | 0.105 | 0.122 | 0.161 | 0.207 | 0.231 | |
| Maximum Service Temperature | 650 °C In case of aluminium facing the outer foil temperature should be limited to 80 °C | | | | | | | | | | | | EN 14706 |
| Reaction to fire | Euroclass A1 | | | | | | | | | | | | EN 13501-1 |
| Nominal density | 90 kg/m ³ | | | | | | | | | | | | EN 1602 |
| Water Absorption | < 1 kg/m ² < 20 kg/m ³ (for ProRox WM 961 [ALU] ^{UK}) | | | | | | | | | | | | EN 1609 BP 172 |
| Water vapour diffusion resistance | μ = 1 | | | | | | | | | | | | EN 14303 |
| Air Flow Resistivity | > 40 kPa.s/m ² | | | | | | | | | | | | EN 29053 |
| Designation code | MW EN 14303-T2-ST(+)-650-WS1 | | | | | | | | | | | | EN 14303 |

Compliance to standards

ProRox WM 960^{UK} conforms to BS EN 14303:2009. Thermal insulation products for building equipment and industrial installations. Factory made mineral wool products (MW). Specification can be used to satisfy BS 5422: "Method for specifying thermal insulating materials for pipes, tanks, vessels, ductwork and equipment operating within the temperature range -40°C to +700°C". They also comply with BP Engineering Standard 172 with regards to water repellency at higher temperatures.

