

ProRox WM 950^{XC}

ProRox WM 950^{XC} is a lightly bonded heavy-duty stone wool mat stitched on galvanised wired mesh with galvanised wire. Stainless steel mesh, stainless steel binding wire are available upon request.



Application

The wired mat is suitable for thermal and acoustic insulation of industrial applications reaching high temperatures, such as industrial pipe work, boiler walls, furnaces and smoke ducts.

Product properties

Properties	Performance							Standard
Thermal conductivity	Mean Temp (°C) λ(W/mK)	50 0.039	100 0.046	150 0.054	200 0.062	250 0.072	300 0.082	ASTM C177
Nominal density	80 kg/m ³							ASTM C167
Heat resistance	No visible deterioration of the fibrous structure. No evidence of self heating. No fusion of fibres at 650°C							IS 3144
Max service temperature	650°C							ASTM C411 / C447
Linear shrinkage	Less than 2% (at max service temperature)							ASTM C356
Incombustibility	<5 wt%							IS 3144
Reaction to Fire	Surface burning characteristic; Flame spread = Passed, Smoke development = Passed							ASTM E84
pH	pH 7-10							ASTM C871
Chloride content	Less than 10 ppm Conforms to the stainless steel corrosion specification as per ASTM C795							ASTM C871 ASTM C692 / C871
Sulphur Content	<0.3 Vol%							IS 3144
Moisture absorption	Less than 1% weight							ASTM C1104/C1104M IS 3144
Water absorption	Less than 1 kg/m ²							EN 1609
Shot Content	> 250µm < 8 wt% > 500µm < 3 wt%							IS 3144

1. All information and data for technical parameters are based on laboratory testing.
2. Nominal values.
3. Default offering: SWG 24

Compliance

- ProRox WM 950^{XC} Wired Mats fully comply with the requirements as set by internationally recognized standards like ASTM C592 Type I, II, III and IS 8183.
- Please contact our sales representatives for an extended list of approvals & certifications.

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PRODUCT DATA SHEET
200 331IN, XC - 09/20_V1 (EN)
PROROX INDUSTRIAL INSULATION