TECHNICAL INSULATION

ProRox® WM 971^{SA}

ProRox WM 971^{SA} 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) 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.

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*Wheelmark is only applicable upon request

Product properties

Properties	Performance							Standard
Thermal Conductivity	T_m (°C)	50	100	150	200	250	300	ASTM C177
	λ (W/mK)	0.038	0.043	0.051	0.057	0.066	0.077	
Nominal Density	128 kg/m^3							ASTM C167
Maximum Service Temperature	750 °C							ASTM C411/C447
Linear Shrinkage	Less than 2% (at max service temperature)							ASTM C356
Reaction to Fire	EuroClass A1 Surface burning characteristics; Flame spread = passed, Smoke development = passed							EN 13501-1 ASTM E84
Chloride Content	Less than 10 ppm Conforms to the stainless steel corrosion specification as per ASTM C795							ASTM C871 ASTM C692/C871
Moisture Absorption	Less than 1% weight							ASTM C1104/ C1104M
Water Absorption	≤ 0.04 lb/ft² (≤ 0.2 kg/m²) after 24hrs. Pre-heating at 482°F (250°C)							EN 1609/ EN ISO 29767

Note: All information and data for technical parameters are based on laboratory testing.

Compliance

- ProRox WM 971^{SA} wired mats fully comply with the requirements as set by internationally recognized standards like CINI 2.2.02 and ASTM C592 Type I, II and III.

EUCEB

*Note: EUCEB only applicable for products produced in India & Malaysian factories

As ROCKWOOL has no control over insulation design and workmanship, accessory materials or applications conditions, ROCKWOOL does not warranty the performance or result of any installation containing ROCKWOOL products. ROCKWOOL's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. ROCKWOOL Technical Insulation reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.

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