

ProRox® MA 520 ALU

ProRox MA 520 ALU is a compression resistant stone wool insulation mat bonded onto fibreglass reinforced aluminium foil. The insulation mat is suitable for the thermal and acoustic insulation of especially large diameter piping, vessels, ducts and equipment up to intermediate temperatures.



Product properties

Properties	Performance										Norms
Thermal conductivity	T_m (°C)	50	100	150	200	250	300	400	500		EN 12667
	λ (W/mK)	0,044	0,053	0,064	0,077	0,092	0,110	0,156	0,216		ASTM C177
Maximum Service Temperature	500°C (932°F)										EN 14706
	The outer foil temperature is restricted to 80 °C (176 °F)										
Reaction to fire	Euroclass A1										EN 13501-1 ASTM E84 (UL 723)
	Surface burning characteristics; Flame spread=passed, Smoke development=Passed										
Nominal density	60 kg/m ³ (3,7 lb/ft ³)										
Corrosion resistance	Conforms to the stainless steel corrosion specification as per ASTM test methods C 692 and C 871										ASTM C795 EN 13468
	Trace quantity of water leachable chloride ions: ≤ 10 ppm										
Water Absorption	< 1 kg/m ²										EN 1609 ASTM C1104/C1104M
	Water vapour absorption (Vapor sorption) $\pm 0,02\%$ vol										
Water vapour diffusion resistance	$\mu = 1$										EN 14303 EN 12086
	$S_d > 200$ m (for Alu-foil faced product)										
Designation code	MW EN 14303-T3-ST(+)-500-CS(10)10-WS1-MV2-CL10 (If delivered flat)										EN 14303
	MW EN 14303 - T3-ST(+)-500-WS1-MV2-CL10 (If delivered as a roll)										

Compliance

ProRox MA 520 ALU full comply with the requirements as set by internationally recognized standards like EN14303 and CINI 2.2.05.

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