



U Protect Wired Mat 4.0 Alu1

U Protect for fire, thermal and acoustic insulation of ventilation and smoke extraction ducts

U Protect WM 4.0 is part of ISOVER solutions for providing fire resistance in HVAC applications by using high performing ULTIMATE mineral wool. U Protect wired mats provide fire resistant, an easy to install, lightweight and efficient thermal and acoustic insulation solution in HVAC for circular and rectangular ventilation and smoke extraction ducts up to EI 120. Installation guidelines must be followed and all ISOVER U Protect components used.



Thermal insulation



Fire resistance



Sound insulation



Fast installation



Sustainable system



Check and download our EPD




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Characteristic	Symbol	Unit	Quantities and measured values							Standard
Application fields	-	-	U Protect WM 4.0 is part of ISOVER solutions for providing fire resistance in HVAC applications by using high performing ULTIMATE mineral wool U Protect wired mats provide fire resistant, an easy to install, light-weight and efficient thermal and acoustic insulation solution in HVAC for circular and rectangular ventilation and smoke extraction ducts up to EI 120							EN1366-1 EN1366-8
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667
	λ	[W/(m·K)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	
Maximum service temperature	-	[°C]	< 400 °C (tape and alu-facing 80 °C)							EN 14706
Melting point	-	[°C]	> 1,000 °C							-
Behaviour in fire	-	-	Non-combustible, Euroclass A1							EN 13501-1
Duct orientation			EI15	EI30	EI60	EI190	EI120			
Horizontal thickness	-	mm	40	50	75 (80)	100	120 (125 ¹)		EN 1366-1 EN 1366-8	
Vertical thickness	-	mm	40	50	75	100	120			
Acoustics	α_w	-	Weighted sound absorption coefficient = 0.90							EN 11654
	-	kPa·S/m ³	Specific airflow resistance Afr = 60 (measured without facing)							EN 29053
Water behaviour	-	-	Hydrophobic							EN 12086
Chemical behaviour	-	-	Silicone-free, Sulphide-free							AGI Q 132
CE marking	-	-	MW-EN14303-T2-ST(+)+400-MV2							EN 14303
Quality management	-	-	ISOVER is certified according							EN ISO 14001 EN ISO 9001

Delivery form: Standard dimensions / packaging information*				
Width [mm]	Length l [mm]	Thickness d [mm]	m ² /pack	m ² /pallet
600	10,000	30	12.00	216.00
	7,500	40	9.00	162.00
	6,000	50	7.20	129.60
	5,000	60	6.00	108.00
	4,300	70	5.16	92.90
	4,000	75	4.80	86.40
	3,700	80	4.44	79.90
	3,300	90	3.96	71.28
	3,000	100	3.60	64.80
	2,500	120	3.00	54.00

* check availability and delivery details from your local ISOVER supplier
¹ must be installed in 2 layers 75 mm + 50 mm

www.isover-technical-insulation.com

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