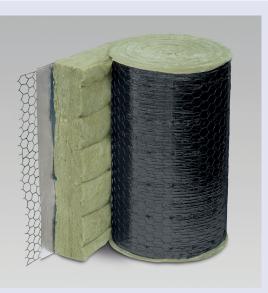


## U Protect Wired Mat 4.0 Alu1

## 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 El 120. Installation guidelines must be followed and all ISOVER U Protect components used.











## U Protect Wired Mat 4.0 Alu1



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

Characteristic	Symbol	Unit	Quantities and measured values								Standard
Application fields	-	-	II Protect wired mats provide fire resistant an easy to install light-							EN1366-1 EN1366-8	
Thermal	Т	[°C]	10	50	100	150	200	300	0 400		EN 12667
conductivity	λ	[W/(m•K)]	0.031	0.035	0.040	0.047	0.054	0.07	0.09	6	EN 12007
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						EN 13501-1		
Duct orientation			EI15	E	EI30	EI60	EI1	90	EI120		
Horizontal thickness	-	mm	40		50	75 (80)	10	0	120 (125	1)	EN 1366-1
Vertical thickness	-	mm	40		50	75	10	0	120		EN 1366-8
Acoustics	a <sub>w</sub>	-	Weighted		EN 11654						
Acoustics	- kPa·S/m <sup>3</sup> Specific airflow resistance Afr = 60 (measured without facing)						ing)		EN 29053		
Water behaviour	-	-	Hydrophol	oic							EN 12086
Chemical behaviour	-	-	Silicone-fr	ee, Sulphi	ide-free						AGI Q 132
CE marking	-	-	MW-EN14303-T2-ST(+)400-MV2 EN 1430						EN 14303		
Quality management	-	-	ISOVER is certified according					EN ISO 14001 EN ISO 9001			

Delivery form: Standard dimensions / packaging information*								
Width [mm]	Length I [mm]	Thickness d [mm]	m²/pack	m²/pallet				
	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				
600	4,300	70	5.16	92.90				
600	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

<sup>1</sup> must be installed in 2 layers 75 mm + 50 mm

## www.isover-technical-insulation.com

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