



U PROTECT WIRED MAT 4.0 ALU1 (BLACK)



High performance ULTIMATE™ wired mat for fire protection of circular ductwork

ULTIMATE™ is an innovative new generation mineral wool that combines all the advantages of conventional thermal and acoustic insulation with excellent fire performance. The U Protect system has been tested under EN 1366-1 and EN 1366-8 and assessed against BS 476: Part 24. It offers up to 2 hours passive fire protection in HVAC ventilation and smoke extract ducts as well as 1 hour passive fire protection for kitchen ducts.⁽¹⁾

Features and Benefits

Fire protection



Fire Protection

The U Protect system has been tested under EN 1366-1 and EN 1366-8 and assessed against BS 476: Part 24. It offers up to 2 hours passive fire protection in HVAC ventilation and smoke extract ducts as well as 1 hour passive fire protection for kitchen ducts.⁽¹⁾

Easy to install



Ease of install

U Protect Wired Mat 4.0 Alu1 (Black) is lighter per roll than stone wool alternatives. It provides maximum flexibility and mechanical strength, allowing fast and efficient cutting and fitting.



Fire classification

U Protect Wired Mat 4.0 Alu1 (Black) has a Euroclass A1 fire rating when classified to BS EN 13501-1.



Thermal performance

U Protect Wired Mat 4.0 Alu1 (Black) can be used to help meet UK thermal building regulations.

Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	m ² per pack	Rolls per pallet	m ² per pallet
5200687131	50	600	6000	7.2	18	129.6
5200687132	60	600	5000	6	18	108
5200680831	75	600	4000	4.8	18	86.4
5200687133	80	600	3700	4.44	18	79.92
5200687134	100	600	3000	3.6	18	64.8
5200680832	120	600	2500	3	18	54

Thermal Conductivity

Mean temp °C	10	50	100	150	200	300	400
Declared thermal conductivity (W/mK)	0.031	0.035	0.040	0.047	0.054	0.072	0.096

⁽¹⁾: Fire resistance is dependant on the application, thicknesses used and method of installation. Please refer to U Protect Installation Guide for details.

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Reference code: I-UP-WM4.0-A1BLK-DS-1901

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CHARACTERISTICS

Characteristic	Description
Application fields	U Protect Wired Mat 4.0 Alu1 (Black) is part of a fire protection system - please refer to the installation guide for installation recommendations. U Protect Wired Mat 4.0 Alu1 provides an easy to install and lightweight solution for passive fire protection in HVAC ventilation, kitchen and smoke extraction ductworks to EN 1366-1, EN 1366-8 and BS 476: Part 24.
Fire classification	Euroclass A1 fire rating when classified with BS EN 13501-1.
Maximum service temperature	400°C.
Facing	U Protect Wired Mat 4.0 Alu1 (Black) is faced on one side with an aluminium foil reinforced with a galvanised steel grid.
Environmental standards	Manufactured under Environmental Management System - ISO 14001.
Quality standards	Manufactured under Quality Management System - ISO 9001.
Thickness class	Min 30-max 120 - T2.
Building standards	Compliance with the following building regulations: England, Wales and Scotland BS 5422: 2009. For Scotland, also refer to Technical Handbooks; Domestic Handbook 2010 and Non-Domestic Handbook 2010 & Sections 6 - Energy. For installation guidance, please refer to the U Protect Installation Guide.
GWP	GWP < 5 (Global Warming Potential).
Handling and storage	Isover products are supplied fully palletised, offering the following benefits: Weatherproof packaging for outside storage. Reduced haulage costs. Less handling therefore less damage. Reduced storage space. Packs remain clean and in good condition. Faster loading, unloading and counting.
Certification	CE Marked to EN 14303.
External applications	U Protect Wired Mat 4.0 Alu1 (Black) is not suitable for external use.

Customer Service - Order Placement and Enquiries

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