



U PROTECT SLAB

4.0 ALU1


(BLACK)





High performance ULTIMATE™ slab for fire protection of rectangular ductwork


ULTIMATE™ is an innovative new generation mineral wool that combines all the advantages of conventional thermal and acoustic insulation with excellent fire performance. Designed for rectangular ductwork, 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 than stone wool alternatives, offering maximum flexibility and mechanical strength. It allows fast and efficient cutting and fitting.

Euroclass A1 fire rating

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

Thermal

Thermal performance
 U Protect Slab 4.0 Alu1 (Black) can be used to help meet UK thermal building regulations.

Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Slabs per pack	m ² per pack	Packs per pallet	m ² per pallet
5200680826	60	600	1200	6	4.32	12	51.84
5200680828	80	600	1200	5	3.60	12	43.20
5200680829	90	600	1200	4	2.88	12	34.56
5200680830	100	600	1200	4	2.88	12	34.56

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.



CHARACTERISTICS

Characteristic	Description
Application fields	U Protect Slab 4.0 Alu1 (Black) is part of a passive fire protection system - please refer to the installation guide for installation recommendations. U Protect Slab 4.0 Alu1 (Black) 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 to BS EN 13501-1.
Maximum service temperature	400°C.
Facing	U Protect Slab 4.0 Alu1 (Black) is faced on one side with a black aluminium foil.
Environmental standards	Manufactured under Environmental Management System - ISO 14001.
Quality standards	Manufactured under Quality Management System - ISO 9001.
Thickness class	Min 30-max 120 - T4.
Water vapour permeability	MV2.
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.
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 according to EN 14303.
External applications	U Protect Slab 4.0 Alu1 (Black) is not suitable for external use.

Customer Service - Order Placement and Enquiries

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