



# U PROTECT SLAB 4.0 ALU1




## High performance ULTIMATE™ slab for fire protection of rectangular ductwork

ULTIMATE™ is an innovative lightweight and easy to install 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.<sup>(1)</sup>


### Features and Benefits

**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.<sup>(1)</sup>

**Ease of install**




The lightweight ULTIMATE™ slabs ensure ease of handling and installation, as well as reducing the stress on supporting structures. Their flexibility and mechanical strength allow fast and efficient cutting and fitting.

**Fire classification**



U Protect Slab 4.0 Alu1 achieves a Euroclass A1 Reaction to Fire classification, according to BS EN 13501-1.

**Thermal performance**



U Protect Slab 4.0 Alu1 can be used to help meet UK thermal building regulations and offers energy savings by protecting the installation from external thermal variation.

### Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Slabs per pack	m <sup>2</sup> per pack	Packs per pallet	Weight per slab (kg)	Weight per m <sup>2</sup> (kg)	m <sup>2</sup> per pallet
5200687129	30	600	1200	13	9.4	12	1.6	2.2	112.32
5200687130	40	600	1200	10	7.2	12	2.1	2.9	86.40
5200680825	50	600	1200	8	5.8	12	2.6	3.6	69.12
5200680826	60	600	1200	6	4.3	12	3.2	4.4	51.84
5200680827	70	600	1200	5	3.6	12	3.7	5.1	43.20
5200680828	80	600	1200	5	3.6	12	4.2	5.8	43.20
5200680829	90	600	1200	4	2.9	12	4.8	6.6	34.56
5200680830	100	600	1200	4	2.9	12	5.2	7.3	34.56

### Thermal Conductivity

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

<sup>(1)</sup>: 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
<b>Application fields</b>	U Protect Slab 4.0 Alu1 is part of a passive fire protection system - please refer to the installation guide for installation recommendations. It 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.
<b>Fire</b>	Euroclass A1 Reaction to Fire classification according to BS EN 13501-1.
<b>Maximum service temperature</b>	400°C.
<b>Facing</b>	U Protect Slab 4.0 Alu1 is faced on one side with a black aluminium foil.
<b>Environmental</b>	Manufactured under Environmental Management System - ISO 14001. GWP < 5.
<b>Quality</b>	Manufactured under Quality Management System - ISO 9001.
<b>Thickness class</b>	Min 30-max 120 - T4.
<b>Water vapour permeability</b>	MV2.
<b>Building regulations</b>	Compliance with the following building regulations: <b>England, Wales and Scotland</b> 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.
<b>Handling and storage</b>	Information regarding storage, installation and handling of ISOVER products, or health & safety information, can be found here.
<b>Health and safety</b>	
<b>Certification</b>	CE Marked according to EN 14303.
<b>External applications</b>	U Protect Slab 4.0 Alu1 is not suitable for external use.

## Customer Service - Order Placement and Enquiries

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## ISOVER Address:

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## Technical Support Centre

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**Insulation-UK.com**