



Fire protection in rectangular metal ducts

High-density **ISOVER ULTIMATE** flexible wool panels; the external facing is covered with reinforced aluminium foil which acts as a vapour barrier.

Because of its exceptional thermal and acoustic properties and excellent fire-safety behaviour, the **ISOVER ULTIMATE Protect** range is the ideal solution for external insulation, capable of providing fire resistance in networks of rectangular section metal in thermal installations within air-conditioning systems in buildings, both residential and industrial.



FIRE REACTION.

Maximum protection against fire.



FIRE RESISTANCE.

Fire resistant in section metal ducts.



FAST INSTALLATION.

Quick and easy installation.



LIGHTWEIGHT.

Up to 65% lighter than conventional products.



HIGH SERVICE TEMPERATURES.

Optimal thermal performance.



RECYCLED GLASS.

Sustainable product with a composition of more than 50% recycled material. 100% recyclable material.

ULTIMATE Protect Slab 4.0 Alu1



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667 EN 12939
	λ	[W/(m·K)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	Euroclass	A1	EN 13501-1 EN 15715
Fire resistance	-	-	From EI15 to EI120	EN 1366
Resistance to the diffusion of water steam of mineral wool, μ	MV	m	1	EN 12086
Resistance to the diffusion of water steam of facing	Z	m ² ·h·P	MV2	EN 12086
Thickness of the air layer equivalent to water vapor diffusion, Sd	MU	m	200	EN 12086
Max. Service Temperature	T	°C	400	EN 14706
Resistance to air flow	AF _n	kPa·s/m ²	60	EN 29053
Characteristics	-	-	CE certificate for fire protection. Maximum compressibility, highly reliable and adaptable. Easy to transport. Inert material, inhospitable for micro-organisms.	-

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*					
Thickness d (mm)	Length l (m)	Width b (m)	m ² /pack	m ² /pallet	m ² /truck
60	1.20	0.60	4.32	51.84	1140
70	1.20	0.60	3.60	43.20	950
80	1.20	0.60	3.60	43.20	950
90	1.20	0.60	2.88	34.56	760
100	1.20	0.60	2.88	34.56	760

* In some countries not all the thicknesses will be available. Please contact the local Isover Team for specific installation details.



www.isover.es

This data sheet was completed on the date indicated on the right-hand side and was done with ISOVER's knowledge and experience at that time. However, it does not offer any legal guarantee, unless it has been expressly agreed. Bearing in mind that our knowledge and developments of building solutions and products are continuously evolving, ensure that when you use this data sheet, it is the latest version. The description of the product applications does not take into account the special circumstances that may arise for a specific case. Please check that this product is the appropriate one for the application you are considering. For more detailed information, contact our network of ISOVER branches.

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