



U Protect Vent Section Alu2

Alu-Faced U Protect Vent Sections for fire rated circular ducts $\leq \varnothing 250\text{mm}$

U Protect Vent Section Alu2 is part of ISOVER U Protect solutions for providing fire resistance in HVAC applications by using high performing ULTIMATE mineral wool.

U Protect Vent Section Alu2 provides top class insulation for fire rated ductwork and secures the building fire safety for fire resistance of the ducts and penetrations up to EI 60 according to EN 1366-1. It is a solution which is easy to install and lightweight to handle. It is efficient solution for thermal and acoustic insulation of HVAC duct system. Alufacing provides efficient water vapour barrier when intact and seems carefully taped.

U Protect Vent Sections are manufactured from inorganic chemically biosoluble materials and do not include anything that would have effect on corrosion and shall not facilitate microbial growth.

FIRE RESISTANCE



Passive fire protection system
Non-combustible, Euroclass A₂-s1,d0
EI30/EI60

FAST INSTALLATION



Thanks to its light weight and high flexibility, it can be installed by one person without any special equipment

THERMAL INSULATION



High class insulation keeps the medium temperature as designed and secures system operating with minimal losses

SOUND INSULATION



The ability of mineral wool to act as a spring results in reducing vibration and noise emissions in HVAC installations

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	EN ISO 13787 EN ISO 849
	λ	[W/(m·K)]	0.032	0.037	0.043	0.052	0.062	0.092	
Thermal behaviour	-	[°C]	< 620°C (tape and alu-facing 80°C)						EN 14707
Melting point			> 1000°C						-

CHARACTERISTIC (FIRE RESISTANCE)	SYMBOL	UNIT	QUANTITIES AND MEASURED VALUES						STANDARD
Fire resistance	-		EI30 (50 mm) / EI60 (80 mm)						EN 1366-1

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Reaction to fire	-	-	Non combustible, Euroclass A2 _s -s1,d0						EN 13501-1
Water behaviour	-	-	Hydrophobic (WS1)						EN 12086
Chemical behaviour	-	-	Silicone-free Sulphide-free						AGI Q132
Application field	-	-	ISOVER U Protect Vent Section Alu2 provides top class insulation for fire rated ductwork up to EI 60 according to EN 1366-1. It includes thermal and acoustic insulation of HVAC duct systems, using ULTI-MATE mineral wool. Alufacing provides efficient water vapour barrier when intact and seems carefully taped.						EN 1366-1 EN 14303
CE marking	-	-	MW-EN14303-T8-ST(+)-620-MV2-CL10 MW-EN14303-T9-ST(+)-620-MV2 -CL10						EN 14303
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001						EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	LENGTH [MM]	DIAMETER Ø [MM]								
		80	100	125	150	160	180	200	224	250
50	1,200	•	•	•	•	•	•	•	•	•
80	1,200	•	•	•	•	•	•	•	•	•

Vent Sections are alu-faced, slit open from one side and equipped with tape closure – further information on demand.

* Check availability and delivery details from your local ISOVER supplier.



www.isover-technical-insulation.com

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

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