



## U Protect Pipe Section Alu2 - Industry

### U Protect Alu-Faced pipe sections for HVAC, Marine or Industry applications

U Protect pipe solutions provides an easy to install and lightweight efficient solution for thermal and acoustic insulation and fire resistance in Industry pipe systems, using ULTIMATE mineral wool. ISOVER U Protect pipes provides topclass thermal insulation for hot water and heating pipes and secures the building fire safety for penetrations up to EI 120 according to EN 1366-3. Alufacing provides efficient water vapour barrier when intact and seems carefully taped.

U Protect pipe 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.

#### THERMAL INSULATION



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

#### FIRE RESISTANCE



Passive fire protection system

#### SOUND INSULATION



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

#### FAST INSTALLATION



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

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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
	$\lambda$	[W/(m·K)]	0.032	0.037	0.043	0.052	0.062	0.092	
	T	[°C]	< 620 °C (tape and alu-facing 80 °C)						EN 14707
Melting point	-		> 1,000 °C						-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Thermal behaviour	T	°C	Maximum service temperature 620 (under 500 Pa) Maximum service temperature 700	EN 14706
Reaction to fire	-	-	Non-combustible, Euroclass A2L-s1,d0	EN 13501-1
Water behaviour	-	-	Hydrophobic	EN 12086
Chemical behaviour	-	-	Silicone-free, Sulphide-free	AGI Q 132
Application field	-	-	ISOVER U Protect pipes provides topclass thermal insulation for hot water and heating pipes and secures the building fire safety for penetrations up to EI 120 according to EN 1366-3 Alufacing provides efficient water vapour barrier when intact and seems carefully taped	EN 1366-3
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\*

THICK- NESS D [MM]	LENGTH [MM]	DIAMETER Ø [MM]																						
		15	18	22	28	35	42	48	54	57	60	64	70	76	89	102	108	114	133	140	159	168	219	273
100	1,200													•	•	•	•	•	•	•	•	•	•	•
120	1,200													•				•		•	•	•	•	•
20	1,200	•		•	•	•	•	•	•	•	•	•	•	•	•									
25	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•						
30	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
50	1,200	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
60	1,200	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
70	1,200					•	•				•		•	•	•		•	•	•	•	•	•	•	•
80	1,200									•	•	•		•	•	•	•	•	•	•	•	•	•	•

Pipe 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](http://www.isover-technical-insulation.com)

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