



# U Protect Pipe Section Alu2 - Industry

## The ULTIMATE solution for industry pipe insulation

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.



### HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 660 °C



### COST EFFECTIVE SOLUTION

Thermal performance combined with lightweight provides installation time saving and less heat loss costs



### THERMAL INSULATION

Thermal performance for service temperatures up to 660° C with up to 35 % better efficiency than standard solutions



### FAST INSTALLATION

By cut-to-fit dimension, it reduces weight per piece and can be handled by one person only  
No need of spacers or similar



### FIRE REACTION

Non-combustible, Euroclass A1 for effective fire protection on industry sites

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES					STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	EN ISO 13787 EN ISO 849
	$\lambda$	[W/(m·K)]	0.037	0.043	0.052	0.062	0.092	
Thermal behaviour	T	[°C]	Maximum service temperature 620 (under 500 Pa)					EN 14707

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	-	Non-combustible, Euroclass A2L-s1,d0	EN 13501-1
Chemical behaviour	-	-	AS-quality (Leachable Chloride $\leq 10$ ppm) Leachable chloride content less than 10 ppm (CL10)	AGI Q 132 EN 13468
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	-	-	(outside pipe $\varnothing \leq 150$ mm) (outside pipe $\varnothing > 150$ mm)	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 $\varnothing$ [MM]																						
		15	18	22	28	35	42	48	54	57	60	64	70	76	89	102	108	114	133	140	159	168	219	273
20	1,200	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
50	1,200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
60	1,200	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
70	1,200					•	•					•	•	•	•	•	•	•	•	•	•	•	•	•
80	1,200												•	•	•	•	•	•	•	•	•	•	•	•
100	1,200													•	•	•	•	•	•	•	•	•	•	•
120	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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