

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 HVAC 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



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	EN 12667
	λ	[W/(m·K)]	0.032	0.037	0.043	0.052	0.062	0.092	
Thermal behaviour	T	[°C]	< 620 °C (tape and alu-facing 80 °C)						EN 14706
Melting point	-		> 1,000 °C						-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Reaction to fire	-	-	Non-combustible, Euroclass A2L-s1,d0						EN 13501-1
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
Water behaviour	-	-	Hydrophobic						EN 12086
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]																						
		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

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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