



U Protect Roll 3.1 Alu1

ULTIMATE thermal and fire protection for HVAC pipes

U Protect Roll Alu1 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. Rolls are easy to wrap around big diameter pipes and pipe clusters. Alufacing provides efficient water vapour barrier when intact and seems carefully taped.

U Protect Rolls 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 12667
	λ	[W/(m·K)]	0.032	0.037	0.045	0.055	0.069	0.104	
Maximum service temperature	-	[°C]	< 400 °C (tape and alu-facing 80 °C)						EN 14706
Melting point	-	-	> 1000 °C						-

CHARACTERISTIC (FIRE RESISTANCE)	SYMBOL	UNIT	QUANTITIES AND MEASURED VALUES	STANDARD
Fire resistance	-	-	EI90/120	EN 1366-3 DIN 4102

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	-	Non combustible, Euroclass A1	EN 13501-1
Chemical behaviour	-	-	Silicone-free, Sulphide-free	AGI Q 132
Application field	-	-	ISOVER U Protect Roll provides topclass thermal insulation for hot water and heating pipes and secures the building fire safety for penetrations up to EI 120 according to EN1366-3. Alufacing provides efficient watervapour barrier when intact and seems carefully taped	EN 14303
Miscellaneous	-	-	MW-EN14303-T2-ST(+/100)400-MV2	AGI Q 132 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*					
LENGTH [MM]	WIDTH B [MM]	THICKNESS D [MM]	M ² /PACK	ROLLS/PALLET	M ² /PALLET
8,500	1,200	30	10.20	18	183.60

* Further thicknesses available on demand. Minimum order quantities required.



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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NOV-2022

