



## U TECH Roll 2.0 Alu1/V1/V2

### The ULTIMATE solution for ultra-light, flexible insulation rolls

ULTIMATE U TECH Roll 2.0 is the ultra-light and highly flexible alternative to classic industry slabs and wired mats. The ULTIMATE roll is designed to combine classic thermal and acoustic insulation performance with ultra-light weight and maximum flexibility for surface temperatures of up to 360°C giving the possibility to reduce the total weight of insulation constructions significantly. With insulation thicknesses above 200 mm it allows to reduce the number of insulation layers and therefore total installation time drastically making it a cost-effective and efficient insulation solution.

U TECH Roll 2.0 is produced in AS-Quality (Cl- ≤ 10 ppm) for usage in contact with austenitic steel structures. On request with yellow (V1) or black glass veil facing (V2) and reinforced aluminium facing (Alu1).

#### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

2.

1. classic

#### FAST INSTALLATION



Flexibility, lightweight and compressibility helps to handle and install the product easier and faster

#### THERMAL INSULATION



Classic-Plus thermal performance for service temperatures up to 360°C with up to 35% better efficiency than standard solutions

#### IMPROVED LOGISTICS



Transport and storage savings with up to 80 % more material per pallet than standard solutions

#### FIRE REACTION



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

#### SOUND ABSORPTION



Up to 95 % of sound energy absorbed due to optimal longitudinal air flow resistance and uniform porosity values

#### LIGHTWEIGHT



Lightweight solution with up to 50% weight savings compared to standard insulation solutions



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.034	0.040	0.049	0.062	0.080	0.124	
Thermal behaviour	T	[°C]	Maximum service temperature 360 (under 100 Pa) Maximum service temperature 650						EN 14706 C447/C411

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03						ISO 10456
Reaction to fire	-	-	Non combustible; Euroclass A1 Fire Spread Index = 0; Smoke Development Index < 20 Fire Spread Index ≤ 2; Smoke Development Index ≤ 25 for U TECH Roll 2.0 Alu1						EN 13501-1 ASTM E84
Water behaviour	WS	kg/m <sup>2</sup>	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m <sup>2</sup> ) for «Si» product Water vapour diffusion resistant (μ = 2)						EN ISO 29767 EN 12086
Chemical behaviour	-	-	AS-quality (Leachable Chloride ≤10ppm) Leachable chloride content less than 10 ppm (CL10) Do not contribute to corrosion of stainless steel						AGI Q 132 EN 13468 ASTM C795/871
Application field	-	-	Product for use in technical applications, such as tanks and vessels, exhaust ducts and stacks or other equipment with need for good thermal and/or acoustic insulation at standard process temperatures						EN 14303
Material	-	-	ULTIMATE mineral wool flexible roll With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC No 1272/2008 Note Q						CINI 2.2.02
Facing	-	-	On request: Reinforced aluminium facing (Alu1) Yellow or black glass veil facing (V1/V2)						-
Instructions for use	-	-	Flexible, rolled product for use in technical applications, such as ventilation ducts and industrial equipments, with need for ultralight thermal and acoustic insulation and basic performances in temperatures up to 360°C (MST at 250 Pa).						-
Miscellaneous	-	-	Insulating material identification number: 10.06.01.99.02 For "Alu1" version, designation code : MW-EN 14303-T2-ST(+/100)360-CL10-MV2 For other versions, designation code : MW-EN 14303-T2-ST(+/100)360-CL10- AF11						AGI Q 132 EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001						EN 14303 EN ISO 9001 EN ISO 14001

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## DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M <sup>2</sup> /PACK	M <sup>2</sup> /PALLET	ROLLS/PACK	PACKS/PALLET
100	600	4,500	5.40	97.20	2	18
30	600	15,000	18.00	324.00	2	18
40	600	11,000	13.20	237.60	2	18
50	600	9,000	10.80	194.40	2	18
60	600	7,500	9.00	162.00	2	18
80	600	5,500	6.60	118.80	2	18

\* All dimensions require minimum order quantities / other dimensions on request.



### [www.isover-technical-insulation.com](http://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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