



# U TECH Slab 2.0

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

ULTIMATE U TECH Slab 2.0 is the ultra-light and flexible alternative to classic industry slabs. The ULTIMATE slab is designed to combine thermal and acoustic insulation performance with ultra-light weight and flexibility for surface temperatures of up to 360 °C giving the possibility to reduce the total weight and total installed costs of insulation constructions significantly.

U TECH Slab 2.0 is produced in AS-Quality (Cl- ≤ 10 ppm) for usage when in contact with austenitic steel structures. On request with yellow (V1) or black glass veil facing (V2) or glass fabric (G1) and reinforced aluminium facing (Alu1).



### IMPROVED LOGISTICS

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



### FAST INSTALLATION

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



### THERMAL INSULATION

Thermal performance for service temperatures up to 360 °C with up to 35 % better efficiency 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
	$\lambda$	[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)						EN 14706

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 Euroclass A2-s1,d0 for U TECH Slab 2.0 Alu1						EN 13501-1
Water behaviour	WS	kg/m <sup>2</sup>	No short term water absorption by partial immersion ( $WS1 \leq 1 \text{ kg/m}^2$ )						EN ISO 29767
Chemical behaviour	-	-	AS-quality (Leachable Chloride $\leq 10 \text{ ppm}$ ) 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 basic thermal and/or acoustic insulation at standard process temperatures						EN 14303
Material	-	-	ULTIMATE mineral wool flexible board With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC No 1272/2008 Note Q						CINI 2.2.01
Facing	-	-	On request: Reinforced aluminium facing (Alu1) Yellow or black glass veil facing (V1/V2) Black glass fabric facing (G1)						-
Miscellaneous	-	-	Insulating material identification number: 10.07.01.10.02 For "Si" version, designation code : MW-EN 14303-T2-ST(+/100)360-WS1-AF11 For "G1" version, designation code : MW-EN 14303-T2-ST(+/100)360-CL10-AF11 For "V1" version, designation code : MW-EN 14303-T4-ST(+/100)360-CL10-AF11 For "V2" version, designation code : MW-EN 14303-T2-ST(+/100)360-AF10 For "Alu1" version, designation code : MW-EN 14303-T4-ST(+/100)360-CL10						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	PACKS/PALLET
100	600	1,250	3.75	60.00	16



### [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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