

U TECH Slab MT 6.0



The **ULTIMATE** solution for performance and efficient industry slabs in medium-high temperatures

ULTIMATE U TECH Slab MT 6.0 is the efficient and sustainable alternative to heavy-dense industry slabs. The **ULTIMATE** slab is designed for thermal and acoustic insulation performance, reduced weight for temperatures of up to 620 °C. Continuously performing even under tough conditions e.g. mechanical stress like vibrations ensuring lifetime performance and savings of energy costs through reduced heat loss makes U TECH Slab MT 6.0 the sustainable choice.

U TECH Slab MT 6.0 is produced in AS-Quality (Cl- ≤10 ppm) for usage when in contact with austenitic steel structures. On request with yellow glass veil facing (V1) or black glass fabric (G1) and reinforced aluminium facing (Alu1).



ENERGY EFFICIENCY

Thermal performance for service temperatures up to 620 °C with up to 35 % better efficiency



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 620 °C



THIN SOLUTION

Personal protection and heat loss requirements achieved with up to 35 % less insulation thickness than standard solutions



LIGHTWEIGHT

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



SOUND INSULATION

The ability of mineral wool to act as a spring results in reducing vibration and noise emissions in industrial processes



FIRE REACTION

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



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	500	600	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.031	0.035	0.040	0.047	0.054	0.072	0.096	0.120	0.162	
Thermal behaviour	T	[°C]	Maximum service temperature 620 (under 500 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									EN 13501-1
Water behaviour	-	-	Water vapour diffusion resistant ($\mu = 2$) for «Alu1»version									EN 12086
Chemical behaviour	-	-	AS-quality (Leachable Chloride ≤ 10 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 excellent thermal and/or acoustic insulation at high process temperatures									EN 14303
Material	-	-	ULTIMATE mineral wool board 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 No1272/2008 Note Q									CINI 2.2.01
Facing	-	-	On request: Reinforced aluminium facing (Alu1) Yellow glass veil facing (V1) Black glass fabric facing (G1)									-
Miscellaneous	-	-	Insulating material identification number: 10.07.05.20.06 For "Alu1" version, designation code : MW-EN 14303-T4-ST(+)620-CL10-MV2 For other versions, designation code : MW-EN 14303-T4-ST(+)620-CL10-AF50									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

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	WIDTH B [MM]	LENGTH [MM]	M ² /PACK	M ² /PALLET	SLABS/PACK	PACKS/PALLET
30	600	1,200	9.36	112.32	13	12
40	600	1,200	7.20	86.40	10	12
50	600	1,200	5.76	69.12	8	12
60	600	1,200	3.60	43.20	5	12
100	600	1,200	2.88	34.56	4	12

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



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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