



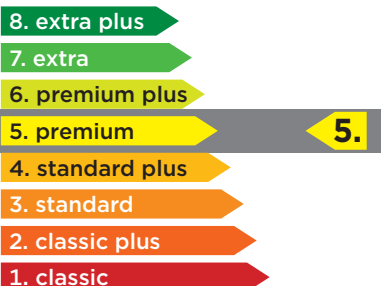
U TECH Slab MT 5.0 Alu1/V1/V2

The ULTIMATE solution for premium performance and light industry slabs in medium-high temperatures

ULTIMATE U TECH Slab MT 5.0 is the efficient but still light alternative to heavy-dense industry slabs. The ULTIMATE slab is designed for combining premium thermal and acoustic insulation with reduced weight at surface temperatures of up to 540°C. Continuously performing even under tough conditions e.g. mechanical stress like vibrations makes U TECH Slab MT 5.0 the economic choice in medium to high temperatures.

U TECH Slab MT 5.0 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 (V2) and reinforced aluminium facing (Alu1).

Thermal Efficiency Indicator



ENERGY EFFICIENCY

Premium thermal performance for service temperatures up to 540°C with up to 35% better efficiency



FAST INSTALLATION

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



COST EFFECTIVE SOLUTION

Premium thermal performance combined with lightweight provides installation time saving and less heat loss costs



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 INSULATION

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

U TECH Slab MT 5.0 Alu1/V1/V2



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	500	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.031	0.036	0.041	0.049	0.057	0.078	0.104	0.138	
Thermal behaviour	T	[°C]	Maximum service temperature 540 (under 500 Pa) Maximum service temperature 700								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 ≤ 25; Smoke Development Index ≤ 25 for U TECH Slab MT 5.0 Alu1								EN 13501-1 ASTM E84
Water behaviour	-	-	Water vapour diffusion resistant (μ = 2) for «Alu 1» version								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 ves- sels, exhaust ducts and stacks or other equipment with need for very good thermal and/or acoustic insulation at high process tempera- tures								EN 14303
Material	-	-	ULTIMATE mineral wool board With quality marks EUCEB and RAL by the Gütegemeinschaft Min- eralwolle 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)								-
Miscellaneous	-	-	Insulation material designation code: 10.07.02.20.05 For "Alu1" version, designation code : MW-EN 14303-T4-ST(+)-540- CL10-MV2 For other versions, designation code : MW-EN 14303-T4-ST(+)-540- CL10-AF40								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
100	600	1,200	2.88	34.56	4	12
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	4.32	51.84	6	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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