



# U TECH Slab MT 3.1 Alu1/V1/V2

## The ULTIMATE solution for light and flexible insulation slabs

ULTIMATE U TECH Slab MT 3.1 is the light alternative to standard industry slabs. The ULTIMATE slab is designed for combining standard thermal and acoustic insulation with light weight for surface temperatures of up to 400°C - making the installation fast, efficient and as easy as possible. Compared to U TECH Slab MT 3.0, the version 3.1 has improved rigidity and is less flexible.

U TECH Slab 3.1 for usage when in contact with austenitic steel structures. On request with black (V2) or yellow glass veil facing (V1) and reinforced aluminium facing (Alu1).

### Thermal Efficiency Indicator



#### THERMAL INSULATION

Standard thermal performance for service temperatures up to 400°C with up to 35% better efficiency than standard solutions



#### FAST INSTALLATION

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



#### 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

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667 EN ISO 13787
	$\lambda$	[W/(m·K)]	0.032	0.037	0.045	0.055	0.069	0.104	0.153	
Thermal behaviour	T	[°C]	Maximum service temperature 400 (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 ≤ 25; Smoke Development Index ≤ 25 for U TECH Slab MT 3.1 Alu1							EN 13501-1 ASTM E84
Water behaviour	-	-	Water vapour diffusion resistant ( $\mu = 2$ ) 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 good thermal and/or acoustic insulation at medium process temper- atures							EN 14303
Material	-	-	ULTIMATE mineral wool flexible board With quality marks EUCEB, unriskey regarding health according 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	-	-	Insulating material identification number: 10.07.02.20.03 For «Alu1» version, designation code : MW-EN 14303-T4- ST(+/100)400-MV2 For other versions, designation code : MW-EN 14303-T4- ST(+/100)400-AF20							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 <sup>2</sup> /PACK	M <sup>2</sup> /PALLET	PACKS/PALLET
100	600	1,200	3.00	36.00	12
30	600	1,200	10.50	126.00	12
40	600	1,200	7.50	90.00	12
50	600	1,200	6.00	72.00	12
60	600	1,200	4.50	54.00	12
80	600	1,200	3.75	45.00	12

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



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

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