



# ULTIMATE Tech Slab 6.0 N

New: U TECH Slab MT 6.0 / Alu 1 / V1 / V2

## High performance ULTIMATE slab for medium-high temperatures – the efficient alternative

U TECH Slab MT 6.0 is the efficient and sustainable alternative to standard industry slabs. Designed for optimal thermal and acoustic insulation, reduced weight by reaching high level of thermal performance at temperatures of up to 680 °C, continuously and even under tough conditions e.g. mechanical stress like vibrations ensuring long lifetime performance and continuous savings of energy costs through reduced heat loss.



### Thermal insulation

Optimal thermal insulation with up to 20% better thermal conductivity compared to traditional industry slabs



### Thin solutions

Lower insulation thicknesses or even fewer insulation layers through improved thermal performance



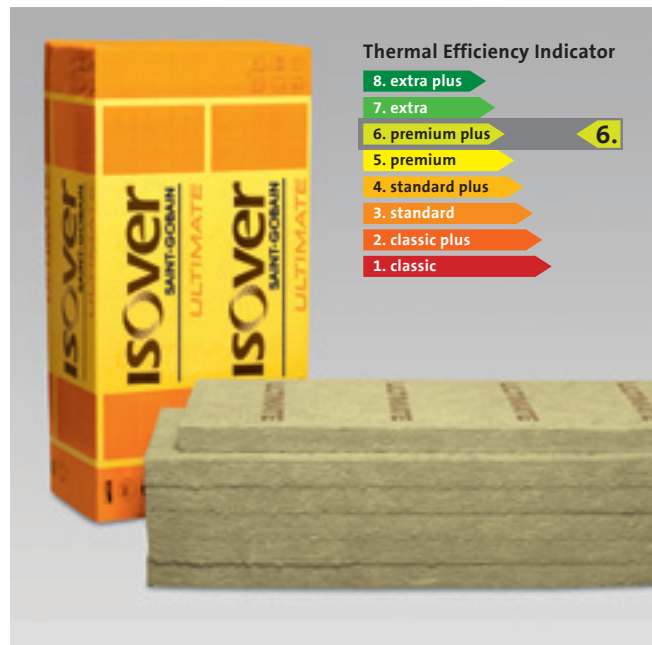
### Cost-effective solutions

High thermal performance provides rapid payback through improved energy costs and CO<sub>2</sub>- savings



### Acoustic Insulation

Effective acoustic protection with air flow resistance of AFR ≥ 48



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Characteristic	Symbol	Unit	Quantities and measured values	Standard							
Application fields	-	-	Product for use in technical especially high temperature applications, such as industrial boilers, vessels, rectangular exhaust ducts, industrial equipments, with need for improved thermal insulation and high efficiency	-							
Material	-	-	Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e. V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.	-							
Thermal conductivities	T	[°C]	10	50	100	200	300	400	500	600	EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.033	0.035	0.040	0.054	0.072	0.096	0.120	0.162	
Thermal behaviour	-	-	Maximum service temperature: Tmax = 620°C under 500Pa Tmax = 680 °C under 250 Pa From 150 °C on the binder begins to volatilise								EN 14706
Behaviour in fire	-	-	Non combustible Euroclass A1								EN 13501
Specific thermal capacity	c	[kJ/(kg·K)]	~ 1								-
Acoustics	$\alpha$	kPa·S/m <sup>2</sup>	Sound absorption, $\alpha_w = 1.00$ Specific Airflow resistance AFR $\geq 50$								EN 11654 EN 29053
Chemical behaviour	-	-	AS-Quality Hydrophobic Sulphide-free Free of corrosion supportive material Silicone-free on request								AGI Q 132
Facing	-	-	Product also available with following standard facings: Alu1: faced on one side with an aluminium foil of 65 g/m <sup>2</sup> reinforced with a grid. V1: faced on one side with a reinforced yellow glass tissue of 35 g/m <sup>2</sup> . V2: faced on one side with a reinforced black glass tissue of 35 g/m <sup>2</sup> . Insulation layer must be designed so that the coated side is stressed by a maximal temperature of 100 °C.								-
Quality management	-	-	CE-marked according to EN 14303 (in preparation) Isover has been certified according EN ISO 9001								EN 14303 EN ISO 9001

### Delivery form: Standard dimensions / packaging information

	30	40	50	60	100
Thickness (mm)	30	40	50	60	100
Width (mm)	600	600	600	600	600
Length (mm)	1200	1200	1200	1200	1200
m <sup>2</sup> /pack	9.36	7.20	5.76	3.60	2.88
m <sup>2</sup> /pal	112.32	86.40	69.12	43.20	34.56
Slabs/pack	13	10	8	5	4
Pack/pal	12	12	12	12	12

Further dimensions available 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 or Isover Dialog. We deliver only according to our terms of trade and terms of delivery.

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SAINT-GOBAIN