



ULTIMATE Tech Slab 8.0 N

New: U TECH Slab HT 8.0 / Alu 1 / V1 / V2

High performance ULTIMATE slab for high temperatures – maximum thermal efficiency

U TECH Slab HT 8.0 is the easy way of getting maximum thermal performance for medium temperatures of up to 700 °C. With up to 35 % improved thermal conductivity compared to standard industry slabs of same weight, U TECH Slab HT 8.0 can decrease heat loss and space for insulation significantly. Highly compressive resistant and still flexible enough to resist mechanical stress like vibrations under high temperature and loads U Tech Slabs HT 8.0 ensure that once installed performance stays over time.



Thermal insulation

Excellent thermal insulation with up to 35% better thermal conductivity compared to traditional industry slabs



Thin solutions

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



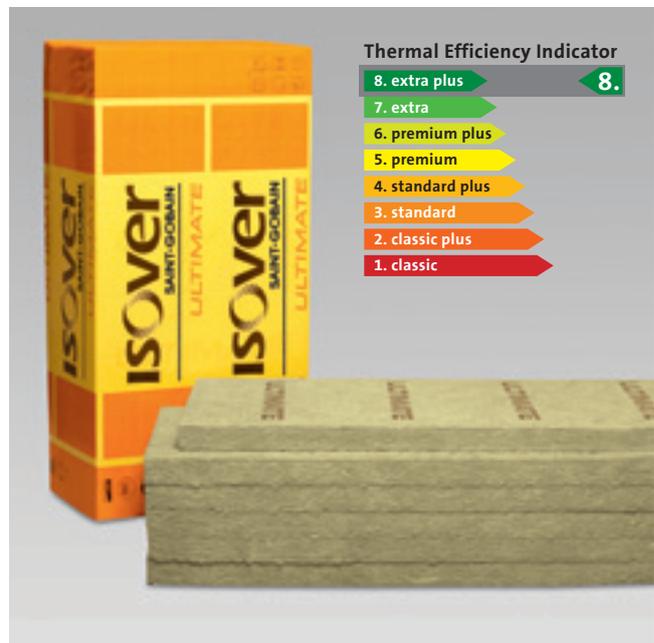
Cost-effective solutions

High thermal performance provides rapid payback through improved energy costs and CO₂- savings



Acoustic Insulation

Effective acoustic protection with air flow resistance of AFR ≥ 70



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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., unrisky 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)]	0.030	0.035	0.045	0.051	0.065	0.083	0.104	0.129	
Thermal behaviour	-	-	Maximum service temperature: T _{max} = 700°C under 500Pa 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	α	kPa·S/m ²	Sound absorption, $\alpha_w = 1.00$ Specific Airflow resistance AFR ≥ 70								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 ² reinforced with a grid. V1: faced on one side with a reinforced yellow glass tissue of 35 g/m ² . V2: faced on one side with a reinforced black glass tissue of 35 g/m ² . 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

Thickness (mm)	20	30	50
Width (mm)	600	600	600
Length (mm)	1200	1200	1200
m ² /pack	11.40	9.36	5.76
m ² /pal	172.80	112.32	69.12
Slabs/pack	20	13	8
Pack/pal	12	12	12
Further dimensions available 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 or Isover Dialog. We deliver only according to our terms of trade and terms of delivery.

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