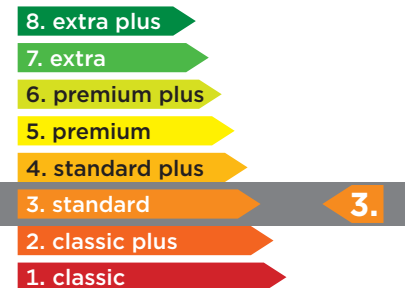# The ULTIMATE solution for light and flexible insulation slabs

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 (V1) or yellow glass veil facing (V2) and reinforced aluminium facing (Alu1).

Thermal Efficiency Indicator

8. extra plus
7. extra
6. premium plus
5. premium
4. standard plus
3. standard   3.
2. classic plus
1. classic

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

Characteristics	Symbol	Unit	Quantities and declared values							Standard
Thermal conductivity	T	[°C]	10	50	100	150	200	300	400	EN 12667 ISO 13787
	λ	[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 ASTM 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
Chemical behaviour	-	-	AS-Quality Do not contribute to corrosion of stainless steel	AGI Q 132 ASTM C795
Application field	-	-	Product for use in technical applications, such as tanks and vessels, exhaust ducts and stacks or other equipment with need for good thermal and/or acoustic insulation at medium process temperatures	EN 14303
Material	-	-	ULTIMATE mineral wool flexible board With quality marks EUCEB, unrisky 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, MW-EN 14303-T4-ST(+/100)400-MV2 For other versions, 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]	m²/pack	m²/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

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.

SAINT-GOBAIN ISOVER · Tour Saint-Gobain, 12 place de l'Iris · 92096 La Defense Cedex · France

SAINT-GOBAIN