



U TECH Slab MT 3.0 Alu1/V1/V2

The ULTIMATE solution for light and flexible insulation slabs

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

U TECH Slab 3.0 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 facing (V2) and reinforced aluminium facing (Alu1)

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

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

3.

2. classic plus

1. classic

U TECH Slab MT 3.0 Alu1/V1/V2



| CHARACTERISTIC | SYMBOL | UNIT | QUANTITIES AND DECLARED VALUES | | | | | | | STANDARD |
|----------------------|-----------|-----------|---|-------|-------|-------|-------|-------|-------|--------------------------|
| Thermal conductivity | T | [°C] | 10 | 50 | 100 | 150 | 200 | 300 | 400 | EN 12667 EN 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 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 3.0 Alu1 | | | | | | | EN 13501-1 ASTM E84 |
| Water behaviour | - | - | No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²) Water vapour diffusion resistant ($\mu = 2$) | | | | | | | EN ISO 29767 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 and RAL by the Gütegemeinschaft Min- eralwolle e. V., unrisky 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 | - | - | Insulating material identification number: 10.07.02.20.03 For "Alu1" version, designation code : MW-EN 14303-T4- ST(+/100)400-CL10-MV2 For other versions, designation code : MW-EN 14303-T4- ST(+/100)400-CL10-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 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.

SAINT-GOBAIN ISOVER · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France

NOV-2022

