



ULTIMATE Tech Roll 4.0

New: U TECH Roll MT 4.0 / Alu 1 / V1 / V2

High performance ULTIMATE roll for medium-high temperatures – the flexible alternative

U TECH Roll MT 4.0 is the flexible and light alternative to standard industry slabs and wired mats. Designed to combine high thermal and acoustic insulation with light weight and flexibility of a highly-compressed roll for insulation of surface temperatures of up to 580 °C – making the transport and installation fast, efficient and as easy as possible.



Thermal Insulation

High thermal and acoustic insulation for surface temperatures up to 580°C



Light Weight

Light weight solutions with up to 50% weight savings compared to traditional industry slabs and wired mats



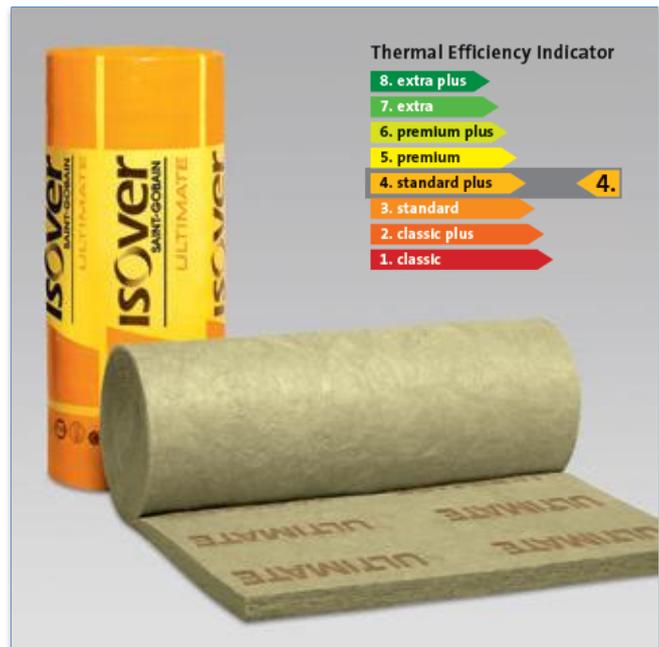
Fast Installation

Reduced weight and flexibility of the roll allows to work faster and more efficient



Transport Savings/Compression

High compression provides up to 50% savings of transport and storage costs



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Characteristic	Symbol	Unit	Technical properties	Standard												
Field of application	-	-	Flexible and light alternative to standard industry slabs and wired mats for medium-high temperatures of technical applications, such as industrial vessels, tanks, circular and rectangular exhaust ducts and industrial equipments. Designed to combine high thermal and acoustic insulation with light weight and flexibility of a highly-compressed roll for insulation of surface temperatures of up to 580 °C – making the transport and installation fast, efficient and as easy as possible.													
Material	-	-	Mineral wool labelled RAL (free of any hazardous material) according to German Institute for Quality Assurance and Certification and to European regulation Nr. 1272/2008 nota Q.													
Thermal conductivity	T I	[°C] [W/(m•K)]	<table border="1"> <tr> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>300</td> <td>400</td> </tr> <tr> <td>0,035</td> <td>0,042</td> <td>0,051</td> <td>0,060</td> <td>0,086</td> <td>0,122</td> </tr> </table>	50	100	150	200	300	400	0,035	0,042	0,051	0,060	0,086	0,122	EN 12667
50	100	150	200	300	400											
0,035	0,042	0,051	0,060	0,086	0,122											
Specific thermal capacity	c	[kJ/(kg.K)]	~ 1													
Length related air flow resistance	r	[kPa.s/m²]	> 25 (mineral wool)	EN 29053												
Thermal behaviour			Maximum service temperature: 460 °C on the unfaced side (load of 250 kPa). The insulation layer has to be designed so that the coated side is stressed by a maximal temperature of 100 °C. From 150 °C the binder starts to volatilise.	EN 14303												
Fire behaviour			Non-combustible, euroclass A1. Melting point ≥ 1.000 °C according to DIN 4102 part 17.	EN 13501												
Chemical behaviour			AS quality (chloride content < 10 ppm). Sulphide free. Free of corrosion supporting 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/m2 reinforced with a grid. V1: faced on one side with a reinforced yellow glass tissue of 35 g/m2. V2: faced on one side with a reinforced black glass tissue of 35 g/m2. Insulation layer must be designed so that the coated side is stressed by a maximal temperature of 100 °C.													

Delivery form: standard dimensions / packaging information

	30	40	50	60	80	100														
Thickness (mm)	30	40	50	60	80	100														
Width (mm)	600	600	600	600	600	600														
Length (mm)	8400	6300	5000	4200	3200	2500														
m²/pack	10,08	7,56	6,0	5,04	3,84	3,0														
m²/pal	181,44	136,08	108	90,72	69,12	54														
Slabs/pack	2	2	2	2	2	2														
Packs/pal	18	18	18	18	18	18														

Further dimensions available on demand (i.g. width of 1.200 mm). Minimum order quantities required.

www.isover-technical-insulation.com

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