



# ULTIMATE Tech Roll 2.0 N

New: U TECH Roll 2.0 / Alu 1 / V1 / V2

## High performance ULTIMATE roll for standard temperatures – the light alternative

U TECH Roll 2.0 is the lightest and highly flexible alternative to standard industry slabs and wired mats. Designed for combining good thermal and acoustic insulation values with lightest weight and maximum flexibility for surface temperatures of up to 360 °C giving the possibility to reduce the total weight of insulation constructions significantly .



### Thermal insulation

Thermal and acoustic insulation for surface temperatures up to 360°C



### Light weight

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



### Fast Installation

Light 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	Quantities and measured values	Standard							
Application fields	-	-	Product for use in technical applications, such as industrial tanks, circular and rectangular ducts, industrial equipments, with need for thermal and acoustic insulation at light weight	-							
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			EN 12667
	$\lambda_{N,R}$	[W/(m·K)]	0.033	0.040	0.050	0.079	0.121	0.179			
Thermal behaviour	-	-	Maximum service temperature: Tmax = 300°C under 500Pa Tmax = 360 °C under 250 Pa From 150 °C on the binder starts 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, $\alpha_w = 0.81$ Specific Airflow resistance AFR $\geq 10$								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	-	-	Isover has been certified according EN ISO 9001 (EN 14303 in preparation)								EN ISO 9001 EN 14303

### 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 (m)	15.0	11.0	9.0	7.5	5.5	4.5
m <sup>2</sup> /pack	18.0	13.2	10.8	9.0	6.6	5.4
m <sup>2</sup> /pal	324.0	237.6	194.4	162.0	118.8	97.2
Rolls/pack	2	2	2	2	2	2
Pack/pal	18	18	18	18	18	18

Further dimensions available on request.

[www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

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