



TECH Crimped Roll 1.0 Alu1

Ultra-light and flexible industry glass mineral wool roll with crimped fiber structure

TECH Crimped Roll 1.0 is a flexible and ultra-lightweight glass mineral wool solution for thermal and acoustic insulation in industry applications such as big diameter pipes, tanks and vessels. Due to the crimped fiber structure the compressive strength is improved while maintaining a classic thermal performance.

TECH Crimped Roll 1.0 can be used for service temperatures up to 350°C. On request with reinforced aluminium facing (Alu1)

FAST INSTALLATION



Flexibility, lightweight and compressibility helps to handle and install the product easier and faster

MECHANICAL RESISTANCE



Improved compressive-strength for better mechanical behaviour and lower weight through crimped, non-linear fiber structure

THERMAL INSULATION



Classic thermal insulation performance for service temperatures up to 350°C

FIRE REACTION



Non-combustible, Euroclass A1 for effective fire protection on industry sites

LIGHTWEIGHT



Lightweight solution with up to 50% weight savings compared to standard insulation solutions

IMPROVED LOGISTICS



Transport and storage savings with up to 80% more material per pallet than standard solutions

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

1.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	250	300	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0.044	0.056	0.072	0.095	0.120	0.150	
Thermal behaviour	T	[°C]	Maximum Service Temperature 350 (under 250 Pa)						EN 14706

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						EN 13501-1 ASTM E84
Water behaviour	-	-	Water vapour diffusion resistant ($\mu = 1$) No short term water absorption by partial immersion ($WS1 \leq 1 \text{ kg/m}^2$)						EN 12086 EN ISO 29767
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel						ASTM C795/871
Application field	-	-	Product for use in technical applications, such as big diameter pipes, tanks and vessels						EN 14303
Material	-	-	Glass mineral wool roll with a crimped fiber structure in black colour With quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle 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 2.1.02
Facing	-	-	On request: Reinforced aluminium facing (Alu1)						-
Miscellaneous	-	-	Designation code : MW-EN14303-T3-ST (+/250)300-WS1-MV1 Storage: Bags to be stored indoors in a dry and clean place away from source of humidity						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]	UNIT/PACK	M ² /PACK	PACKS/PALLET	M ² /PALLET
100	1,200	5,000	1 roll	6.00	12	72.00
60	1,200	7,000	1 roll	8.40	12	100.80
80	1,200	6,000	1 roll	7.20	12	86.40

* 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.

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