

TECH Pipe Section MT 4.1

Preformed, concentric-rolled stone mineral wool pipe section

TECH Pipe Section MT 4.1 is the preformed concentric-rolled stone mineral wool pipe section for the insulation of industry process pipelines for diameters from 12.7 mm to 254 mm (1/2" to 10"), exhaust ducts and stacks. Pre-slit to facilitate the opening and fitting over the pipes, TECH Pipe Section MT 4.1 are easy to handle. With a length of 1.2m, installation time on straight pipes and thermal bridges can be reduced by 20%.

TECH Pipe Section MT 4.1 can be used for service temperatures of up to 650°C.

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

4.



THERMAL INSULATION

Standard-Plus thermal insulation performance for service temperatures up to 650°C



EASY HANDLING

Especially packaged in bags for easy handling



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 650°C



COST EFFECTIVE SOLUTION

Standard-Plus thermal performance combined with lightweight provides installation time saving and less heat loss costs



FIRE REACTION

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



MECHANICAL RESISTANCE

High compressive strength for installation without support structures

TECH Pipe Section MT 4.1



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	250	300	ISO 8497 EN ISO 13787
	λ	[W/(m·K)]	0.038	0.045	0.054	0.063	0.073	0.084	
Thermal behaviour	T	[°C]	Maximum service temperature 650 (under 500 Pa) Maximum service temperature 700						EN 14707 ASTM 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 _L Fire Spread Index = 0; Smoke Development Index < 20						EN 13501-1 ASTM E84
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)						EN 13472
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel						ASTM C795/871
Application field	-	-	Product for use in technical applications, such as small diameter pipes, exhaust ducts and stacks, with need for thermal and/or acoustic insulation performances especially at high temperatures						EN 14303
Material	-	-	Stone mineral wool, preformed concentric-rolled in shape of pipe section. With quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q						CINI 2.1.03
Miscellaneous	-	-	Designation code : MW-EN 14303-T8/T9-ST(+)650-WS1						EN 14303
Quality management	-	-	CE-marked according to EN 14303 ISOVER is certified according to EN ISO 9001 and EN ISO 14001						EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS D [MM]	DIAMETER Ø [MM]												
	21	27	34	42	48	60	76	89	114	140	169	219	273
30	42.0	38.4	30.0	27.6	22.8	20.4	14.4	12.0	8.4		4.8		
40	27.6	25.2	21.6	20.4	16.8	14.4	10.8	9.6	7.2		3.6	2.4	2.4
50		18.0	15.6	14.4	12.0	10.8	8.4	7.2	6.0	4.8	3.6	2.4	1.2
60			12.0		9.6	8.4	6.0	6.0	4.8	3.6	2.4	2.4	1.2
80						4.8	4.8	3.6	3.6		2.4	1.2	1.2

* The information refers to linear meters / pack.
All dimensions require minimum order quantities / other dimensions on request.



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