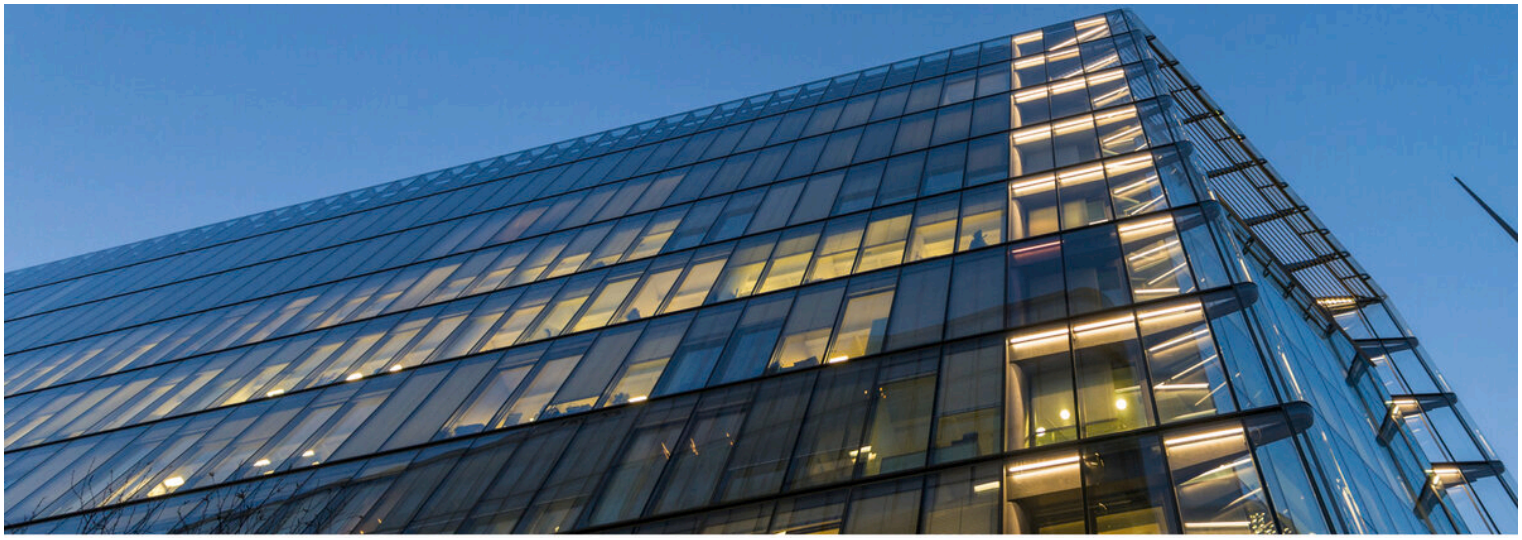




ENERGY-EFFICIENT AND FIRE-RESISTANT SOLUTION.

AstraTHERM

// Easy and fast installation
// Non-combustible
// Complete system solution



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ArmaWool™

TECHNICAL DATA - ASTRATHERM

Brief description	AstraTherm stone wool, laminated with a tear-resistant pure aluminium foil, in AS quality according to AGI Q132, highly water-repellent (hydrophobic according to AGI Q132/DIN 13472) and odourless. Double-sided adhesive tape to seal the pipe section.

Property	Value / Assessment			Standard / Test method
Temperature range				
Service temperature[1]	Range	Max. °C (intermittent)		EN 14707
	Aluminium laminated	250		
	Uncoated	660		
Thermal conductivity				
Declared thermal conductivity	Θm	+40 °C	+50 °C	EN ISO 13787, EN ISO 8497
	λd ≤ [W/(m·K)]	0,037	0,039	
	Range	Aluminium laminated		
Declared thermal conductivity	Θm	+40 °C		EN ISO 13787, EN ISO 8497
	λd ≤ [W/(m·K)]	0,040		
	Range	Uncoated		
Fire Performance and Approvals				
Reaction to fire	A2-s1,d0 (aluminium laminated) A1 (uncoated)			EN 13501-1
Fire performance				
Melting point [°C]	> 1000 °C			

[1] max. 80 °C aluminium foil

Sections (Mineral Wool). Precovered with aluminium foil

20 mm					25 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
15	MF-AT-20X015/AL	20		42 m	15	MF-AT-25X015/AL	25	*	30 m
18	MF-AT-20X018/AL	20		42 m	18	MF-AT-25X018/AL	25	*	30 m
22	MF-AT-20X022/AL	20		36 m	22	MF-AT-25X022/AL	25	*	25 m
28	MF-AT-20X028/AL	20		30 m	28	MF-AT-25X028/AL	25	*	25 m
33	MF-AT-20X033/AL	20	*	25 m	33	MF-AT-25X033/AL	25	*	20 m
35	MF-AT-20X035/AL	20		25 m	35	MF-AT-25X035/AL	25	*	20 m
42	MF-AT-20X042/AL	20		20 m	42	MF-AT-25X042/AL	25	*	16 m
48	MF-AT-20X048/AL	20		16 m	48	MF-AT-25X048/AL	25	*	16 m
54	MF-AT-20X054/AL	20	*	16 m	54	MF-AT-25X054/AL	25	*	12 m
57	MF-AT-20X057/AL	20	*	15 m	60	MF-AT-25X060/AL	25	*	9 m
60	MF-AT-20X060/AL	20	*	12 m	64	MF-AT-25X064/AL	25	*	9 m
64	MF-AT-20X064/AL	20	*	12 m	70	MF-AT-25X070/AL	25	*	9 m
70	MF-AT-20X070/AL	20	*	9 m	76	MF-AT-25X076/AL	25	*	9 m
76	MF-AT-20X076/AL	20		9 m	89	MF-AT-25X089/AL	25	*	6 m
89	MF-AT-20X089/AL	20	*	9 m	-	-	-	-	-
102	MF-AT-20X102/AL	20	*	6 m	-	-	-	-	-
108	MF-AT-20X108/AL	20	*	6 m	-	-	-	-	-
114	MF-AT-20X114/AL	20	*	5 m	-	-	-	-	-
168	MF-AT-20X168/AL	20	*	2 m	-	-	-	-	-
169	MF-AT-20X169/AL	20	*	2 m	-	-	-	-	-
219	MF-AT-20X219/AL	20	*	2 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

30 mm					40 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
15	MF-AT-30X015/AL	30		25 m	15	MF-AT-40X015/AL	40	*	16 m
18	MF-AT-30X018/AL	30		25 m	18	MF-AT-40X018/AL	40	*	16 m
22	MF-AT-30X022/AL	30		20 m	22	MF-AT-40X022/AL	40	*	12 m
28	MF-AT-30X028/AL	30		20 m	28	MF-AT-40X028/AL	40	*	12 m
35	MF-AT-30X035/AL	30		16 m	33	MF-AT-40X033/AL	40	*	9 m
42	MF-AT-30X042/AL	30		12 m	35	MF-AT-40X035/AL	40	*	9 m
48	MF-AT-30X048/AL	30		11 m	42	MF-AT-40X042/AL	40	*	9 m
50	MF-AT-30X050/AL	30	*	9 m	48	MF-AT-40X048/AL	40	*	9 m
54	MF-AT-30X054/AL	30		9 m	54	MF-AT-40X054/AL	40	*	6 m
57	MF-AT-30X057/AL	30	*	9 m	55	MF-AT-40X055/AL	40	*	6 m
60	MF-AT-30X060/AL	30		9 m	57	MF-AT-40X057/AL	40	*	6 m
64	MF-AT-30X064/AL	30		9 m	60	MF-AT-40X060/AL	40	*	6 m
70	MF-AT-30X070/AL	30	*	8 m	64	MF-AT-40X064/AL	40	*	6 m

Sections (Mineral Wool). Precovered with aluminium foil

30 mm					40 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
76	MF-AT-30X076/AL	30		7 m	68	MF-AT-40X068/AL	40	*	5 m
89	MF-AT-30X089/AL	30		6 m	70	MF-AT-40X070/AL	40	*	5 m
102	MF-AT-30X102/AL	30	*	4 m	76	MF-AT-40X076/AL	40	*	5 m
108	MF-AT-30X108/AL	30	*	4 m	80	MF-AT-40X080/AL	40	*	4 m
114	MF-AT-30X114/AL	30		4 m	85	MF-AT-40X085/AL	40	*	4 m
125	MF-AT-30X125/AL	30	*	4 m	89	MF-AT-40X089/AL	40	*	4 m
133	MF-AT-30X133/AL	30	*	4 m	90	MF-AT-40X090/AL	40	*	4 m
140	MF-AT-30X140/AL	30	*	3 m	92	MF-AT-40X092/AL	40	*	4 m
152	MF-AT-30X152/AL	30	*	2 m	102	MF-AT-40X102/AL	40	*	4 m
159	MF-AT-30X159/AL	30	*	2 m	104	MF-AT-40X104/AL	40	*	4 m
165	MF-AT-30X165/AL	30	*	2 m	108	MF-AT-40X108/AL	40	*	4 m
168	MF-AT-30X168/AL	30	*	2 m	110	MF-AT-40X110/AL	40	*	4 m
169	MF-AT-30X169/AL	30	*	2 m	114	MF-AT-40X114/AL	40	*	4 m
180	MF-AT-30X180/AL	30	*	1 m	120	MF-AT-40X120/AL	40	*	3 m
-	-	-	-	-	125	MF-AT-40X125/AL	40	*	2 m
-	-	-	-	-	130	MF-AT-40X130/AL	40	*	2 m
-	-	-	-	-	133	MF-AT-40X133/AL	40	*	2 m
-	-	-	-	-	140	MF-AT-40X140/AL	40	*	2 m
-	-	-	-	-	150	MF-AT-40X150/AL	40	*	2 m
-	-	-	-	-	152	MF-AT-40X152/AL	40	*	2 m
-	-	-	-	-	154	MF-AT-40X154/AL	40	*	2 m
-	-	-	-	-	159	MF-AT-40X159/AL	40	*	2 m
-	-	-	-	-	160	MF-AT-40X160/AL	40	*	2 m
-	-	-	-	-	168	MF-AT-40X168/AL	40	*	2 m
-	-	-	-	-	169	MF-AT-40X169/AL	40	*	2 m
-	-	-	-	-	180	MF-AT-40X180/AL	40	*	2 m
-	-	-	-	-	194	MF-AT-40X194/AL	40	*	2 m
-	-	-	-	-	200	MF-AT-40X200/AL	40	*	2 m
-	-	-	-	-	219	MF-AT-40X219/AL	40	*	2 m
-	-	-	-	-	230	MF-AT-40X230/AL	40	*	1 m
-	-	-	-	-	240	MF-AT-40X240/AL	40	*	1 m
-	-	-	-	-	250	MF-AT-40X250/AL	40	*	1 m
-	-	-	-	-	273	MF-AT-40X273/AL	40	*	1 m
-	-	-	-	-	320	MF-AT-40X320/AL	40	*	1 m
-	-	-	-	-	324	MF-AT-40X324/AL	40	*	1 m
-	-	-	-	-	356	MF-AT-40X356/AL	40	*	1 m

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

50 mm					50%				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
15	MF-AT-50X015/AL	50	*	9 m	15	MF-AT-15X015/AL	15	*	56 m
18	MF-AT-50X018/AL	50	*	9 m	18	MF-AT-15X018/AL	15	*	52 m
22	MF-AT-50X022/AL	50	*	9 m	22	MF-AT-15X022/AL	15	*	42 m
25	MF-AT-50X025/AL	50	*	9 m	28	MF-AT-17X028/AL	17	*	36 m
28	MF-AT-50X028/AL	50	*	9 m	35	MF-AT-17X035/AL	17	*	30 m
33	MF-AT-50X033/AL	50	*	7 m	42	MF-AT-22X042/AL	22	*	20 m
35	MF-AT-50X035/AL	50	*	7 m	48	MF-AT-23X048/AL	23	*	16 m
38	MF-AT-50X038/AL	50	*	7 m	54	MF-AT-28X054/AL	28	*	9 m
42	MF-AT-50X042/AL	50	*	6 m	60	MF-AT-29X060/AL	29	*	9 m
45	MF-AT-50X045/AL	50	*	6 m	64	MF-AT-33X064/AL	33	*	6 m
48	MF-AT-50X048/AL	50	*	6 m	76	MF-AT-44X076/AL	44	*	5 m
50	MF-AT-50X050/AL	50	*	5 m	89	MF-AT-47X089/AL	47	*	4 m
54	MF-AT-50X054/AL	50	*	5 m	108	MF-AT-55X108/AL	55	*	2 m
57	MF-AT-50X057/AL	50	*	5 m	114	MF-AT-55X114/AL	55	*	2 m
60	MF-AT-50X060/AL	50	*	5 m	-	-	-	-	-
64	MF-AT-50X064/AL	50	*	4 m	-	-	-	-	-
70	MF-AT-50X070/AL	50	*	4 m	-	-	-	-	-
76	MF-AT-50X076/AL	50	*	4 m	-	-	-	-	-
80	MF-AT-50X080/AL	50	*	4 m	-	-	-	-	-
84	MF-AT-50X084/AL	50	*	4 m	-	-	-	-	-
89	MF-AT-50X089/AL	50	*	4 m	-	-	-	-	-
102	MF-AT-50X102/AL	50	*	3 m	-	-	-	-	-
104	MF-AT-50X104/AL	50	*	3 m	-	-	-	-	-
108	MF-AT-50X108/AL	50	*	2 m	-	-	-	-	-
110	MF-AT-50X110/AL	50	*	2 m	-	-	-	-	-
114	MF-AT-50X114/AL	50	*	2 m	-	-	-	-	-
118	MF-AT-50X118/AL	50	*	2 m	-	-	-	-	-
125	MF-AT-50X125/AL	50	*	2 m	-	-	-	-	-
133	MF-AT-50X133/AL	50	*	2 m	-	-	-	-	-
140	MF-AT-50X140/AL	50	*	2 m	-	-	-	-	-
150	MF-AT-50X150/AL	50	*	2 m	-	-	-	-	-
155	MF-AT-50X155/AL	50	*	2 m	-	-	-	-	-
159	MF-AT-50X159/AL	50	*	2 m	-	-	-	-	-
163	MF-AT-50X163/AL	50	*	2 m	-	-	-	-	-
168	MF-AT-50X168/AL	50	*	2 m	-	-	-	-	-
168	MF-AT-50X268/AL	50	*	1 m	-	-	-	-	-
169	MF-AT-50X169/AL	50	*	2 m	-	-	-	-	-
180	MF-AT-50X180/AL	50	*	2 m	-	-	-	-	-
183	MF-AT-50X183/AL	50	*	2 m	-	-	-	-	-
191	MF-AT-50X191/AL	50	*	2 m	-	-	-	-	-
194	MF-AT-50X194/AL	50	*	2 m	-	-	-	-	-

Sections (Mineral Wool). Precovered with aluminium foil

50 mm					50%				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
200	MF-AT-50X200/AL	50	*	2 m	-	-	-	-	-
205	MF-AT-50X205/AL	50	*	2 m	-	-	-	-	-
219	MF-AT-50X219/AL	50	*	2 m	-	-	-	-	-
239	MF-AT-50X239/AL	50	*	1 m	-	-	-	-	-
250	MF-AT-50X250/AL	50	*	1 m	-	-	-	-	-
259	MF-AT-50X259/AL	50	*	1 m	-	-	-	-	-
273	MF-AT-50X273/AL	50	*	1 m	-	-	-	-	-
280	MF-AT-50X280/AL	50	*	1 m	-	-	-	-	-
293	MF-AT-50X293/AL	50	*	1 m	-	-	-	-	-
300	MF-AT-50X300/AL	50	*	1 m	-	-	-	-	-
310	MF-AT-50X310/AL	50	*	1 m	-	-	-	-	-
313	MF-AT-50X313/AL	50	*	1 m	-	-	-	-	-
319	MF-AT-50X319/AL	50	*	1 m	-	-	-	-	-
325	MF-AT-50X325/AL	50	*	1 m	-	-	-	-	-
330	MF-AT-50X330/AL	50	*	1 m	-	-	-	-	-
350	MF-AT-50X350/AL	50	*	1 m	-	-	-	-	-
373	MF-AT-50X373/AL	50	*	1 m	-	-	-	-	-
380	MF-AT-50X380/AL	50	*	1 m	-	-	-	-	-
425	MF-AT-50X425/AL	50	*	1 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

60 mm					70 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
18	MF-AT-60X018/AL	60	*	6 m	33	MF-AT-70X033/AL	70	*	4 m
22	MF-AT-60X022/AL	60	*	6 m	42	MF-AT-70X042/AL	70	*	4 m
25	MF-AT-60X025/AL	60	*	6 m	48	MF-AT-70X048/AL	70	*	4 m
28	MF-AT-60X028/AL	60	*	5 m	54	MF-AT-70X054/AL	70	*	3 m
33	MF-AT-60X033/AL	60	*	5 m	57	MF-AT-70X057/AL	70	*	3 m
35	MF-AT-60X035/AL	60	*	5 m	60	MF-AT-70X060/AL	70	*	3 m
38	MF-AT-60X038/AL	60	*	4 m	64	MF-AT-70X064/AL	70	*	3 m
42	MF-AT-60X042/AL	60	*	4 m	70	MF-AT-70X070/AL	70	*	2 m
48	MF-AT-60X048/AL	60	*	4 m	76	MF-AT-70X076/AL	70	*	2 m
50	MF-AT-60X050/AL	60	*	4 m	89	MF-AT-70X089/AL	70	*	2 m
54	MF-AT-60X054/AL	60	*	4 m	92	MF-AT-70X092/AL	70	*	2 m
57	MF-AT-60X057/AL	60	*	4 m	102	MF-AT-70X102/AL	70	*	2 m
60	MF-AT-60X060/AL	60	*	4 m	104	MF-AT-70X104/AL	70	*	2 m
64	MF-AT-60X064/AL	60	*	4 m	108	MF-AT-70X108/AL	70	*	2 m
70	MF-AT-60X070/AL	60	*	4 m	114	MF-AT-70X114/AL	70	*	2 m

Sections (Mineral Wool). Precovered with aluminium foil

60 mm					70 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
76	MF-AT-60X076/AL	60	*	4 m	125	MF-AT-70X125/AL	70	*	2 m
80	MF-AT-60X080/AL	60	*	2 m	133	MF-AT-70X133/AL	70	*	2 m
84	MF-AT-60X084/AL	60	*	2 m	140	MF-AT-70X140/AL	70	*	1 m
85	MF-AT-60X085/AL	60	*	2 m	155	MF-AT-70X155/AL	70	*	1 m
89	MF-AT-60X089/AL	60	*	2 m	159	MF-AT-70X159/AL	70	*	1 m
96	MF-AT-60X096/AL	60	*	2 m	168	MF-AT-70X168/AL	70	*	1 m
100	MF-AT-60X100/AL	60	*	2 m	169	MF-AT-70X169/AL	70	*	1 m
102	MF-AT-60X102/AL	60	*	2 m	194	MF-AT-70X194/AL	70	*	1 m
104	MF-AT-60X104/AL	60	*	2 m	200	MF-AT-70X200/AL	70	*	1 m
108	MF-AT-60X108/AL	60	*	2 m	219	MF-AT-70X219/AL	70	*	1 m
110	MF-AT-60X110/AL	60	*	2 m	224	MF-AT-70X224/AL	70	*	1 m
114	MF-AT-60X114/AL	60	*	2 m	250	MF-AT-70X250/AL	70	*	1 m
120	MF-AT-60X120/AL	60	*	2 m	280	MF-AT-70X280/AL	70	*	1 m
125	MF-AT-60X125/AL	60	*	2 m	310	MF-AT-70X310/AL	70	*	1 m
133	MF-AT-60X133/AL	60	*	2 m	-	-	-	-	-
140	MF-AT-60X140/AL	60	*	2 m	-	-	-	-	-
142	MF-AT-60X142/AL	60	*	2 m	-	-	-	-	-
148	MF-AT-60X148/AL	60	*	1 m	-	-	-	-	-
154	MF-AT-60X154/AL	60	*	1 m	-	-	-	-	-
159	MF-AT-60X159/AL	60	*	1 m	-	-	-	-	-
165	MF-AT-60X165/AL	60	*	1 m	-	-	-	-	-
168	MF-AT-60X168/AL	60	*	1 m	-	-	-	-	-
169	MF-AT-60X169/AL	60	*	1 m	-	-	-	-	-
194	MF-AT-60X194/AL	60	*	1 m	-	-	-	-	-
200	MF-AT-60X200/AL	60	*	1 m	-	-	-	-	-
214	MF-AT-60X214/AL	60	*	1 m	-	-	-	-	-
219	MF-AT-60X219/AL	60	*	1 m	-	-	-	-	-
224	MF-AT-60X224/AL	60	*	1 m	-	-	-	-	-
250	MF-AT-60X250/AL	60	*	1 m	-	-	-	-	-
254	MF-AT-60X254/AL	60	*	1 m	-	-	-	-	-
273	MF-AT-60X273/AL	60	*	1 m	-	-	-	-	-
280	MF-AT-60X280/AL	60	*	1 m	-	-	-	-	-
290	MF-AT-60X290/AL	60	*	1 m	-	-	-	-	-
310	MF-AT-60X310/AL	60	*	1 m	-	-	-	-	-
325	MF-AT-60X325/AL	60	*	1 m	-	-	-	-	-
339	MF-AT-60X339/AL	60	*	1 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

80 mm					90 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
28	MF-AT-80X028/AL	80	*	4 m	60	MF-AT-90X060/AL	90	*	1 m
35	MF-AT-80X035/AL	80	*	4 m	76	MF-AT-90X076/AL	90	*	2 m
42	MF-AT-80X042/AL	80	*	3 m	89	MF-AT-90X089/AL	90	*	2 m
48	MF-AT-80X048/AL	80	*	2 m	108	MF-AT-90X108/AL	90	*	1 m
54	MF-AT-80X054/AL	80	*	2 m	133	MF-AT-90X133/AL	90	*	1 m
60	MF-AT-80X060/AL	80	*	2 m	159	MF-AT-90X159/AL	90	*	1 m
64	MF-AT-80X064/AL	80	*	2 m	169	MF-AT-90X169/AL	90	*	1 m
76	MF-AT-80X076/AL	80	*	2 m	255	MF-AT-90X255/AL	90	*	1 m
84	MF-AT-80X084/AL	80	*	2 m	-	-	-	-	-
89	MF-AT-80X089/AL	80	*	2 m	-	-	-	-	-
102	MF-AT-80X102/AL	80	*	1 m	-	-	-	-	-
104	MF-AT-80X104/AL	80	*	1 m	-	-	-	-	-
108	MF-AT-80X108/AL	80	*	1 m	-	-	-	-	-
114	MF-AT-80X114/AL	80	*	1 m	-	-	-	-	-
128	MF-AT-80X128/AL	80	*	1 m	-	-	-	-	-
130	MF-AT-80X130/AL	80	*	1 m	-	-	-	-	-
133	MF-AT-80X133/AL	80	*	1 m	-	-	-	-	-
140	MF-AT-80X140/AL	80	*	1 m	-	-	-	-	-
153	MF-AT-80X153/AL	80	*	1 m	-	-	-	-	-
155	MF-AT-80X155/AL	80	*	1 m	-	-	-	-	-
159	MF-AT-80X159/AL	80	*	1 m	-	-	-	-	-
168	MF-AT-80X168/AL	80	*	1 m	-	-	-	-	-
169	MF-AT-80X169/AL	80	*	1 m	-	-	-	-	-
178	MF-AT-80X178/AL	80	*	1 m	-	-	-	-	-
180	MF-AT-80X180/AL	80	*	1 m	-	-	-	-	-
191	MF-AT-80X191/AL	80	*	1 m	-	-	-	-	-
194	MF-AT-80X194/AL	80	*	1 m	-	-	-	-	-
203	MF-AT-80X203/AL	80	*	1 m	-	-	-	-	-
205	MF-AT-80X205/AL	80	*	1 m	-	-	-	-	-
219	MF-AT-80X219/AL	80	*	1 m	-	-	-	-	-
253	MF-AT-80X253/AL	80	*	1 m	-	-	-	-	-
255	MF-AT-80X255/AL	80	*	1 m	-	-	-	-	-
273	MF-AT-80X273/AL	80	*	1 m	-	-	-	-	-
303	MF-AT-80X303/AL	80	*	1 m	-	-	-	-	-
305	MF-AT-80X305/AL	80	*	1 m	-	-	-	-	-
308	MF-AT-80X308/AL	80	*	1 m	-	-	-	-	-
323	MF-AT-80X323/AL	80	*	1 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

100 mm					100%				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
28	MF-AT-100X028AL	100	*	1 m	15	MF-AT-23X015/AL	23	*	36 m
48	MF-AT-100X048AL	100	*	1 m	18	MF-AT-23X018/AL	23	*	35 m
54	MF-AT-100X054AL	100	*	1 m	22	MF-AT-23X022/AL	23	*	30 m
60	MF-AT-100X060AL	100	*	1 m	28	MF-AT-23X028/AL	23	*	25 m
70	MF-AT-100X070AL	100	*	1 m	28	MF-AT-34X028/AL	34	*	16 m
76	MF-AT-100X076AL	100	*	1 m	35	MF-AT-34X035/AL	34	*	12 m
84	MF-AT-100X084AL	100	*	1 m	42	MF-AT-44X042/AL	44	*	9 m
89	MF-AT-100X089AL	100	*	1 m	48	MF-AT-47X048/AL	47	*	6 m
100	MF-AT-100X100AL	100	*	1 m	54	MF-AT-56X054/AL	56	*	4 m
102	MF-AT-100X102AL	100	*	1 m	57	MF-AT-59X057/AL	59	*	4 m
104	MF-AT-100X104AL	100	*	1 m	60	MF-AT-59X060/AL	59	*	4 m
108	MF-AT-100X108AL	100	*	1 m	64	MF-AT-67X064/AL	67	*	4 m
114	MF-AT-100X114AL	100	*	1 m	76	MF-AT-76X076/AL	76	*	2 m
124	MF-AT-100X124AL	100	*	1 m	89	MF-AT-94X089/AL	94	*	2 m
133	MF-AT-100X133AL	100	*	1 m	108	MF-AT-111X108AL	111	*	1 m
140	MF-AT-100X140AL	100	*	1 m	114	MF-AT-111X114AL	111	*	1 m
159	MF-AT-100X159AL	100	*	1 m	-	-	-	-	-
168	MF-AT-100X168AL	100	*	1 m	-	-	-	-	-
180	MF-AT-100X180AL	100	*	1 m	-	-	-	-	-
194	MF-AT-100X194AL	100	*	1 m	-	-	-	-	-
205	MF-AT-100X205AL	100	*	1 m	-	-	-	-	-
219	MF-AT-100X219AL	100	*	1 m	-	-	-	-	-
255	MF-AT-100X255AL	100	*	1 m	-	-	-	-	-
273	MF-AT-100X273AL	100	*	1 m	-	-	-	-	-
324	MF-AT-100X324AL	100	*	1 m	-	-	-	-	-
355	MF-AT-100X355AL	100	*	1 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool). Precovered with aluminium foil

200%

Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
15	MF-AT-45X015/AL	45	*	12 m
18	MF-AT-45X018/AL	45	*	12 m
22	MF-AT-45X022/AL	45	*	11 m
28	MF-AT-45X028/AL	45	*	9 m
28	MF-AT-67X028/AL	67	*	4 m
35	MF-AT-67X035/AL	67	*	4 m
42	MF-AT-87X042/AL	87	*	2 m
48	MF-AT-93X048/AL	93	*	1 m
54	MF-AT-111X054AL	111	*	1 m

Sections (Mineral Wool). Precovered with aluminium foil

200%

Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
60	**MF-AT-118X060AL**	118	*	1 m
64	**MF-AT-133X064AL**	133	*	1 m
76	**MF-AT-152X076AL**	152	*	1 m
76	**MF-AT-160X076AL**	160	*	1 m
89	**MF-AT-179X089AL**	179	*	1 m
89	**MF-AT-190X089AL**	190	*	1 m
108	**MF-AT-221X108AL**	221	*	1 m
114	**MF-AT-220X114AL**	220	*	1 m
114	**MF-AT-221X114AL**	221	*	1 m

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool)

20 mm

Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
12	**MF-AT-20X012**	20	*	42 m
15	**MF-AT-20X015**	20	*	42 m
18	**MF-AT-20X018**	20	*	42 m
22	**MF-AT-20X022**	20	*	36 m
25	**MF-AT-20X025**	20	*	30 m
28	**MF-AT-20X028**	20	*	30 m
32	**MF-AT-20X032**	20	*	25 m
33	**MF-AT-20X033**	20	*	25 m
35	**MF-AT-20X035**	20	*	25 m
38	**MF-AT-20X038**	20	*	25 m
40	**MF-AT-20X040**	20	*	20 m
42	**MF-AT-20X042**	20	*	20 m
45	**MF-AT-20X045**	20	*	16 m
48	**MF-AT-20X048**	20	*	16 m
50	**MF-AT-20X050**	20	*	16 m
51	**MF-AT-20X051**	20	*	16 m
52	**MF-AT-20X052**	20	*	16 m
54	**MF-AT-20X054**	20	*	16 m
57	**MF-AT-20X057**	20	*	15 m
60	**MF-AT-20X060**	20	*	12 m
64	**MF-AT-20X064**	20	*	12 m
68	**MF-AT-20X068**	20	*	12 m
70	**MF-AT-20X070**	20	*	9 m
76	**MF-AT-20X076**	20	*	9 m
80	**MF-AT-20X080**	20	*	9 m
82	**MF-AT-20X082**	20	*	9 m

30 mm

Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
12	**MF-AT-30X012**	30	*	30 m
15	**MF-AT-30X015**	30	*	25 m
18	**MF-AT-30X018**	30	*	25 m
20	**MF-AT-30X020**	30	*	20 m
22	**MF-AT-30X022**	30	*	20 m
25	**MF-AT-30X025**	30	*	20 m
28	**MF-AT-30X028**	30	*	20 m
32	**MF-AT-30X032**	30	*	16 m
35	**MF-AT-30X035**	30	*	16 m
38	**MF-AT-30X038**	30	*	15 m
40	**MF-AT-30X040**	30	*	12 m
42	**MF-AT-30X042**	30	*	12 m
48	**MF-AT-30X048**	30	*	11 m
50	**MF-AT-30X050**	30	*	9 m
54	**MF-AT-30X054**	30	*	9 m
57	**MF-AT-30X057**	30	*	9 m
60	**MF-AT-30X060**	30	*	9 m
64	**MF-AT-30X064**	30	*	9 m
70	**MF-AT-30X070**	30	*	8 m
76	**MF-AT-30X076**	30	*	7 m
89	**MF-AT-30X089**	30	*	6 m
102	**MF-AT-30X102**	30	*	4 m
104	**MF-AT-30X104**	30	*	4 m
108	**MF-AT-30X108**	30	*	4 m
110	**MF-AT-30X110**	30	*	4 m
114	**MF-AT-30X114**	30	*	4 m

Sections (Mineral Wool)

20 mm					30 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
86	MF-AT-20X086	20	*	9 m	-	-	-	-	-
89	MF-AT-20X089	20	*	9 m	-	-	-	-	-
92	MF-AT-20X092	20	*	6 m	-	-	-	-	-
95	MF-AT-20X095	20	*	6 m	-	-	-	-	-
100	MF-AT-20X100	20	*	6 m	-	-	-	-	-
102	MF-AT-20X102	20	*	6 m	-	-	-	-	-
104	MF-AT-20X104	20	*	6 m	-	-	-	-	-
108	MF-AT-20X108	20	*	6 m	-	-	-	-	-
110	MF-AT-20X110	20	*	5 m	-	-	-	-	-
114	MF-AT-20X114	20	*	5 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool)

40 mm					50 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
15	MF-AT-40X015	40	*	16 m	15	MF-AT-50X015	50	*	9 m
18	MF-AT-40X018	40	*	16 m	18	MF-AT-50X018	50	*	9 m
22	MF-AT-40X022	40	*	12 m	22	MF-AT-50X022	50	*	9 m
25	MF-AT-40X025	40	*	12 m	25	MF-AT-50X025	50	*	9 m
28	MF-AT-40X028	40	*	12 m	28	MF-AT-50X028	50	*	9 m
30	MF-AT-40X030	40	*	9 m	33	MF-AT-50X033	50	*	7 m
33	MF-AT-40X033	40	*	9 m	35	MF-AT-50X035	50	*	7 m
35	MF-AT-40X035	40	*	9 m	38	MF-AT-50X038	50	*	7 m
38	MF-AT-40X038	40	*	9 m	42	MF-AT-50X042	50	*	6 m
40	MF-AT-40X040	40	*	9 m	44	MF-AT-50X044	50	*	6 m
42	MF-AT-40X042	40	*	9 m	45	MF-AT-50X045	50	*	6 m
45	MF-AT-40X045	40	*	9 m	48	MF-AT-50X048	50	*	6 m
48	MF-AT-40X048	40	*	9 m	50	MF-AT-50X050	50	*	5 m
50	MF-AT-40X050	40	*	6 m	54	MF-AT-50X054	50	*	5 m
52	MF-AT-40X052	40	*	6 m	57	MF-AT-50X057	50	*	5 m
54	MF-AT-40X054	40	*	6 m	60	MF-AT-50X060	50	*	5 m
55	MF-AT-40X055	40	*	6 m	64	MF-AT-50X064	50	*	4 m
57	MF-AT-40X057	40	*	6 m	67	MF-AT-50X067	50	*	4 m
60	MF-AT-40X060	40	*	6 m	70	MF-AT-50X070	50	*	4 m
64	MF-AT-40X064	40	*	6 m	76	MF-AT-50X076	50	*	4 m
68	MF-AT-40X068	40	*	5 m	80	MF-AT-50X080	50	*	4 m
70	MF-AT-40X070	40	*	5 m	84	MF-AT-50X084	50	*	4 m
76	MF-AT-40X076	40	*	5 m	89	MF-AT-50X089	50	*	4 m
80	MF-AT-40X080	40	*	4 m	102	MF-AT-50X102	50	*	3 m

Sections (Mineral Wool)

40 mm					50 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
85	MF-AT-40X085	40	*	4 m	104	MF-AT-50X104	50	*	3 m
89	MF-AT-40X089	40	*	4 m	108	MF-AT-50X108	50	*	2 m
90	MF-AT-40X090	40	*	4 m	110	MF-AT-50X110	50	*	2 m
92	MF-AT-40X092	40	*	4 m	114	MF-AT-50X114	50	*	2 m
102	MF-AT-40X102	40	*	4 m	-	-	-	-	-
104	MF-AT-40X104	40	*	4 m	-	-	-	-	-
108	MF-AT-40X108	40	*	4 m	-	-	-	-	-
110	MF-AT-40X110	40	*	4 m	-	-	-	-	-
114	MF-AT-40X114	40	*	4 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool)

60 mm					70 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
10	MF-AT-60X010	60	*	9 m	33	MF-AT-70X033	70	*	4 m
18	MF-AT-60X018	60	*	6 m	42	MF-AT-70X042	70	*	4 m
22	MF-AT-60X022	60	*	6 m	48	MF-AT-70X048	70	*	4 m
25	MF-AT-60X025	60	*	6 m	54	MF-AT-70X054	70	*	3 m
28	MF-AT-60X028	60	*	5 m	57	MF-AT-70X057	70	*	3 m
33	MF-AT-60X033	60	*	5 m	60	MF-AT-70X060	70	*	3 m
35	MF-AT-60X035	60	*	5 m	64	MF-AT-70X064	70	*	3 m
36	MF-AT-60X036	60	*	5 m	70	MF-AT-70X070	70	*	2 m
38	MF-AT-60X038	60	*	4 m	76	MF-AT-70X076	70	*	2 m
42	MF-AT-60X042	60	*	4 m	80	MF-AT-70X080	70	*	2 m
48	MF-AT-60X048	60	*	4 m	89	MF-AT-70X089	70	*	2 m
54	MF-AT-60X054	60	*	4 m	92	MF-AT-70X092	70	*	2 m
57	MF-AT-60X057	60	*	4 m	102	MF-AT-70X102	70	*	2 m
60	MF-AT-60X060	60	*	4 m	104	MF-AT-70X104	70	*	2 m
64	MF-AT-60X064	60	*	4 m	108	MF-AT-70X108	70	*	2 m
70	MF-AT-60X070	60	*	4 m	114	MF-AT-70X114	70	*	2 m
76	MF-AT-60X076	60	*	4 m	-	-	-	-	-
80	MF-AT-60X080	60	*	2 m	-	-	-	-	-
84	MF-AT-60X084	60	*	2 m	-	-	-	-	-
85	MF-AT-60X085	60	*	2 m	-	-	-	-	-
89	MF-AT-60X089	60	*	2 m	-	-	-	-	-
100	MF-AT-60X100	60	*	2 m	-	-	-	-	-
102	MF-AT-60X102	60	*	2 m	-	-	-	-	-
104	MF-AT-60X104	60	*	2 m	-	-	-	-	-
108	MF-AT-60X108	60	*	2 m	-	-	-	-	-

Sections (Mineral Wool)

60 mm					70 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
110	MF-AT-60X110	60	*	2 m	-	-	-	-	-
114	MF-AT-60X114	60	*	2 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool)

80 mm					90 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]	Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
22	MF-AT-80X022	80	*	4 m	33	MF-AT-90X033	90	*	2 m
28	MF-AT-80X028	80	*	4 m	60	MF-AT-90X060	90	*	1 m
35	MF-AT-80X035	80	*	4 m	76	MF-AT-90X076	90	*	2 m
38	MF-AT-80X038	80	*	3 m	89	MF-AT-90X089	90	*	2 m
42	MF-AT-80X042	80	*	3 m	108	MF-AT-90X108	90	*	1 m
48	MF-AT-80X048	80	*	2 m	114	MF-AT-90X114	90	*	1 m
50	MF-AT-80X050	80	*	2 m	-	-	-	-	-
54	MF-AT-80X054	80	*	2 m	-	-	-	-	-
60	MF-AT-80X060	80	*	2 m	-	-	-	-	-
64	MF-AT-80X064	80	*	2 m	-	-	-	-	-
70	MF-AT-80X070	80	*	2 m	-	-	-	-	-
76	MF-AT-80X076	80	*	2 m	-	-	-	-	-
84	MF-AT-80X084	80	*	2 m	-	-	-	-	-
89	MF-AT-80X089	80	*	2 m	-	-	-	-	-
102	MF-AT-80X102	80	*	1 m	-	-	-	-	-
104	MF-AT-80X104	80	*	1 m	-	-	-	-	-
108	MF-AT-80X108	80	*	1 m	-	-	-	-	-
114	MF-AT-80X114	80	*	1 m	-	-	-	-	-

Other information

Remarks	More dimensions available upon request.

Sections (Mineral Wool)

100 mm				
Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
28	MF-AT-100X028	100	*	1 m
33	MF-AT-100X033	100	*	1 m
42	MF-AT-100X042	100	*	1 m
48	MF-AT-100X048	100	*	1 m
54	MF-AT-100X054	100	*	1 m
60	MF-AT-100X060	100	*	1 m
70	MF-AT-100X070	100	*	1 m
76	MF-AT-100X076	100	*	1 m

Sections (Mineral Wool)

100 mm

Pipe Ø [mm]	Item	Insulation thickness [mm]	Make-To-Order	Content [metric]
84	**MF-AT-100X084**	100	*	1 m
89	**MF-AT-100X089**	100	*	1 m
95	**MF-AT-100X095**	100	*	1 m
100	**MF-AT-100X100**	100	*	1 m
102	**MF-AT-100X102**	100	*	1 m
104	**MF-AT-100X104**	100	*	1 m
108	**MF-AT-100X108**	100	*	1 m
114	**MF-AT-100X114**	100	*	1 m

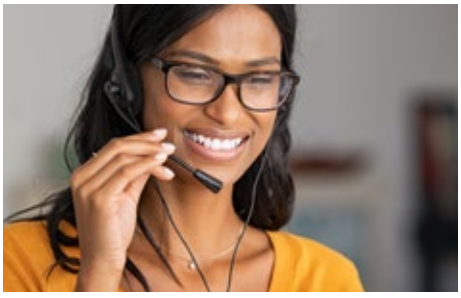
Other information

Remarks	More dimensions available upon request.

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// Dangerous goods process for road freight

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- Strapping
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- Additional warning tape

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- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight



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* Please contact your local Customer Service Centre to see which of these services apply to your country.

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