

Okatherm®

ALU JACKETING SYSTEM FOR PROFESSIONAL USE



- Non combustible
- Good resistance against saltwater
- Easy-to-install
- Cost-saving

- Pure aluminium (AL 99.5)
- Alu-stucco or coarse-grained surface
- Sheets / foils: virtually vapour-tight (VDI 2055)

Technical Data - Okatherm 2 piece bend

Brief description	Okatherm Alu 2-piece welded bend jacketing system for professional use.
Material type	Pure aluminium. Bend-types for welded bends according to EN 10253-1, type 3 (r =1.5 da).
Material Special Information	Quality: EN AW 1050 (AL 99.5).
Applications	Jacketing of insulated bends. Welded 2-piece type, without insulation layer.

Property	Value/Assessment	Special Remarks
Temperature Range		
Temperature Range	Max. service temperature	+250 °C
	Min. service temperature	-196 °C
Water vapour diffusion resistance		
Water vapour diffusion resistance		Virtually vapour-tight (VDI 2055)
Fire performance		
Reaction to fire	Non combustible	A1 DIN 4102
Other technical features		
Tolerances	thickness: ±0.016 mm - ±0.024 mm	
Material thickness	0.2 mm	
Resistance to mechanical impact	Very good resistance in case of normal use.	
Mass per unit area	540 - 810 g/m ²	
Structure	alu-coarse-grained surface	

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended.

Technical Data - Okatherm S200 foils

Brief description	Okatherm Alu foils, cut-outs and end cap jacketing systems for professional use.
Material type	Pure aluminium.
Material Special Information	Quality: EN AW 1050 (AL 99.5).
Product Range	foils, cut-outs, rosette endcapping.
Applications	Jacketing of insulation materials.

Property	Value/Assessment	Special Remarks
Temperature Range		
Temperature Range	Max. service temperature Min. service temperature	+250 °C -196 °C
Water vapour diffusion resistance		
Water vapour diffusion resistance		Sheets / foils: virtually vapour-tight (VDI 2055)
Fire performance		
Reaction to fire	Non combustible	A1 Tested according to DIN 4102
Other technical features		
Tolerances	Thickness: ± 0.016 mm	
Material thickness	0.2 mm	
Resistance to mechanical impact	Very good resistance in case of normal use.	
Mass per unit area	540 g/m ²	
Structure	alu-coarse-grained surface	

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended.

Technical Data - Okatherm segment bend

Brief description	Okatherm Alu 4-piece segmented bend jacketing system for professional use.
Material type	Pure aluminium.
Colour	silver
Material Special Information	Quality: EN AW 1050 (AL 99.5).
Product Range	segmented bend, 4-piece
Applications	Jacketing of insulation materials. 4-piece type, with drill holes for bolting and riveting, without insulation layer.

Property	Value/Assessment	Special Remarks
Temperature Range		
Temperature Range	Max. service temperature	+250 °C
	Min. service temperature	-196 °C
Water vapour diffusion resistance		
Water vapour diffusion resistance		Sheets / foils: virtually vapour-tight (VDI 2055)
Fire performance		
Reaction to fire	Non combustible	A1
		Tested according to DIN 4102
Other technical features		
Tolerances	Thickness: ±0.03 mm	
Material thickness	0.5 mm	
Resistance to mechanical impact	Very good resistance in case of normal use.	
Mass per unit area	1350 g/m ²	
Structure	alu-stucco	

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended.

Okatherm bends, 90°, 2-piece



material: aluminium AL99.5 - surface: alu-coarse-grained

type: welded bends according to EN 10253-1, Type 3 (r =1.5 da), 2-piece types, without insulation layer, material thickness 0.2 or 0.3 mm (marked ▼).

Pipe max. Outside-Ø [mm]	20 mm insulation			30 mm insulation		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
17	TB1720	120	3.18	TB1730	90	3.57
21	TB2120	120	3.25	TB2130	80	3.84
27	TB2720	100	3.37	TB2730	65	3.99
33	TB3320	100	3.41	TB3330	55	4.14
42	TB4220	65	3.90	TB4230	50	4.37
45	TB4220	65	3.90	TB4230	50	4.37
48	TB4820	65	4.03	TB4830	80	5.46
60	TB6020	80	4.63	TB6030	40	5.53
64	TB6420 ●	80	4.73	TB6430 ●	60	5.58
70	TB4830	80	5.46	TB7030 ●	40	5.62
76	TB6030	40	5.53	TB7630	40	5.97
89	TB7030 ●	40	5.62	TB8930 ▼	20	8.31
108	TB8930 ▼	20	8.31	TB10830 ●▼	20	9.42
114	-	-	-	TB11430 ▼	25	11.58
127	TB10830 ●▼	20	9.42	TB10840 ●▼	20	11.03
140	TB10840 ●▼	20	11.03	TB12740 ▼	15	14.26
159	-	-	-	TB14040 ▼	15	18.61

Pipe max. Outside-Ø [mm]	40 mm insulation			50 mm insulation		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
21	TB2140	50	4.53	-	-	-
27	TB2740	40	4.77	-	-	-
33	TB3340	80	4.97	-	-	-
42	TB4240	80	5.37	-	-	-
45	TB4240	80	5.37	-	-	-
48	TB4840	80	5.53	TB4850 ▼	30	8.96
60	TB6040	40	6.26	TB6050 ▼	20	9.10
64	TB6440 ●	40	8.15	-	-	-
70	TB7040 ●	40	8.34	-	-	-
76	TB7640 ▼	20	8.59	TB7650 ▼	20	9.66
89	TB8940 ▼	20	9.48	TB8950 ▼	20	10.26
102	TB8950 ▼	20	10.26	TB10850 ▼	10	14.38
108	TB10840 ●▼	20	11.03	TB10850 ▼	10	14.38
114	TB11440 ●▼	10	11.38	TB11450 ▼	10	14.44
127	TB12740 ▼	15	14.26	TB10860 ▼	10	14.52
140	TB14040 ▼	15	18.61	TB12760 ▼	10	16.71
159	TB12760 ▼	10	16.71	TB14060 ▼	10	17.77
168	-	-	-	TB16850 ▼	10	18.92

Pipe max. Outside-Ø [mm]	60 mm insulation			70,0 mm		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
60	TB6060 ▼	20	11.57	-	-	-
64	TB8950 ▼	20	10.26	TB8960 ▼	20	14.33
76	TB7660 ▼	20	10.85	TB7670 ▼	15	16.30
89	TB8960 ▼	20	14.33	TB10860 ▼	10	14.52
108	TB10860 ▼	10	14.52	TB12760 ▼	10	16.71
114	TB11460 ▼	10	15.43	-	-	-
127	TB12760 ▼	10	16.71	TB10880 ▼	10	19.05
140	TB14060 ▼	10	17.77	-	-	-

Pipe max. Outside-Ø [mm]	80 mm insulation			100 mm insulation		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
89	TB8980 ▼	20	18.32	-	-	-
102	TB10880 ▼	10	19.05	-	-	-
108	TB10880 ▼	10	19.05	TB114100 ▼	10	31.11
114	-	-	-	TB114100 ▼	10	31.11
127	-	-	-	TB127100 ▼	10	52.70
159	-	-	-	TB159100 ▼	10	60.23

Remark Other dimensions on request.

▼ Material thickness 0,3 mm

● Not a stock item. Delivery on request.

Okatherm bends segment



Thickness 0.5 mm, aluminium AL99.5 - surface: Stucco
 type: 4-piece segmented bend - with drill holes for bolting and riveting, without insulation layer

Outer- Ø [mm]	Parts	Middle radius r [mm]	Length beginning / end X [mm]	Sticks Z [mm]	Code	Pieces/carton	£/pc
200	4	125	50	175	BBC20005 •	20	15.17
210	4	130	50	180	BBC21005 •	18	15.56
220	4	135	50	185	BBC22005 •	14	17.15
230	4	140	50	190	BBC23005 •	12	18.59
240	4	145	50	195	BBC24005 •	12	19.93
250	4	160	50	210	BBC25005 •	10	20.84
260	4	165	50	215	BBC26005 •	8	25.40
270	4	170	50	220	BBC27005 •	10	27.06
280	4	175	50	225	BBC28005 •	9	27.38
290	4	180	50	230	BBC29005 •	7	29.04
300	4	185	50	235	BBC30005 •	6	30.62
310	4	190	50	240	BBC31005 •	6	31.42
320	4	195	50	245	BBC32005 •	6	33.42
330	4	200	50	250	BBC33005 •	5	34.10
340	4	205	50	255	BBC34005 •	5	35.34

Remark Other dimensions on request.

- Not a stock item. Delivery on request.

Okatherm rosette endcapping



Thickness 0.2 mm, aluminium AL99.5

Aluminium with 2 fixing grooves				
Lamella length [mm]	Thickness [mm]	Code	Rolls/carton	£/roll
18	20.0	PEMBA18B •	10	1.13
28	30.0	PEMBA28B •	10	1.23
38	40.0	PEMBA38B •	10	1.79
48	50.0	PEMBA48B •	10	1.97
58	60.0	PEMBA58B •	10	2.21

- Not a stock item. Delivery on request.

Okatherm covering



Thickness 0.2 mm, aluminium AL99,5 - surface: alu-coarse-grained

Code	Roll width [mm]	Roll length [m]	Rolls/carton	£/m ²
TFR20025	1000	25	25	6.34

Okatherm foils cut-outs



Width 1,000 mm, Thickness 0.2 mm, aluminium AL99.5, surface: alu-coarse-grained

max. total outer diameter with 30 mm overlapping	Cut-out length	Code	Pcs./collar	Pieces/carton	£/pc
54	200	TZR20020	5	150	1.82
60	220	TZR20022	5	150	1.91
65	240	TZR20024	5	150	2.12
70	260	TZR20026	5	125	2.31
79	280	TZR20028	5	125	2.63
85	300	TZR20030	5	100	2.67
92	320	TZR20032	5	100	2.82
98	340	TZR20034	5	100	2.99
105	360	TZR20036	5	100	3.15
110	380	TZR20038	5	100	3.47
117	400	TZR20040 ●	5	80	3.62
124	420	TZR20042 ●	5	80	3.68
130	440	TZR20044 ●	5	80	3.88
136	460	TZR20046 ●	5	80	4.10
143	480	TZR20048 ●	5	80	4.31
150	500	TZR20050 ●	5	60	4.55
165	550	TZR20055 ●	5	60	4.77
180	600	TZR20060 ●	5	45	5.23
195	650	TZR20065 ●	5	45	5.69
213	700	TZR20070 ●	5	45	6.23
229	750	TZR20075 ●	5	45	6.75
245	800	TZR20080 ●	5	45	7.30
260	850	TZR20085 ●	5	45	8.05
277	900	TZR20090 ●	5	40	8.75
293	950	TZR20095 ●	5	40	9.50
309	1000	TZR200100 ●	5	40	10.32

● Not a stock item. Delivery on request.

Okatherm foils cut-outs



Overlap of 40mm included on some diameters (above 114mm pipe diameter with 50mm insulation)

Pipe max. Outside-Ø [mm]	20 mm insulation insulation thickness			30 mm insulation insulation thickness		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
17	TZR20024	150	2.12	TZR20030	100	2.67
21	TZR20024	150	2.12	TZR20030	100	2.67
27	TZR20026	125	2.31	TZR20032	100	2.82
33	TZR20028	125	2.63	TZR20034	100	2.99
42	TZR20032	100	2.82	TZR20038	100	3.47
44	TZR20032	100	2.82	TZR20038	100	3.47
48	TZR20034	100	2.99	TZR20040 ●	80	3.62
60	TZR20036	100	3.15	TZR20044 ●	80	3.88
64	TZR20038	100	3.47	TZR20044 ●	80	3.88
70	TZR20040 ●	80	3.62	TZR20050 ●	60	4.55
76	TZR20042 ●	80	3.68	TZR20050 ●	60	4.55
89	TZR20046 ●	80	4.10	TZR20055 ●	60	4.77
108	TZR20055 ●	60	4.77	TZR20060 ●	45	5.23
114	TZR20055 ●	60	4.77	TZR20065 ●	45	5.69
127	TZR20060 ●	45	5.23	TZR20065 ●	45	5.69
140	TZR20065 ●	45	5.69	TZR20070 ●	45	6.23
159	TZR20070 ●	45	6.23	TZR20075 ●	45	6.75
168	TZR20075 ●	45	6.75	TZR20080 ●	45	7.30

Okatherm foils cut-outs



Overlap of 40mm included on some diameters (above 114mm pipe diameter with 50mm insulation)

Pipe max. Outside-Ø [mm]	40 mm insulation insulation thickness			50 mm insulation insulation thickness		
	Code	Pieces/carton	£/pc	Code	Pieces/carton	£/pc
17	TZR20036	100	3.15	TZR20040 ●	80	3.62
21	TZR20038	100	3.47	TZR20044 ●	80	3.88
27	TZR20040 ●	80	3.62	TZR20046 ●	80	4.10
33	TZR20042 ●	80	3.68	TZR20048 ●	80	4.31
42	TZR20044 ●	80	3.88	-	-	-
44	TZR20044 ●	80	3.88	-	-	-
48	TZR20046 ●	80	4.10	TZR20050 ●	60	4.55
60	TZR20050 ●	60	4.55	TZR20055 ●	60	4.77
64	TZR20050 ●	60	4.55	-	-	-
76	TZR20055 ●	60	4.77	TZR20060 ●	45	5.23
89	TZR20060 ●	45	5.23	TZR20065 ●	45	5.69
108	TZR20065 ●	45	5.69	TZR20070 ●	45	6.23
114	TZR20070 ●	45	6.23	TZR20075 ●	45	6.75
127	TZR20075 ●	45	6.75	TZR20080 ●	45	7.30
140	TZR20075 ●	45	6.75	TZR20085 ●	45	8.05
159	TZR20080 ●	45	7.30	TZR20090 ●	40	8.75
168	TZR20085 ●	45	8.05	TZR20090 ●	40	8.75

● Not a stock item. Delivery on request.

Okatherm self-adhesive tapes



Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton	£/roll
OKF-TAPE50100	50.0	100	0.05	6	35.74

Okatherm accessories



Code	Description	Pieces/carton	£/pc
TMN	rivet, cadmium coated	1000	25.36
TMNW	riveting tool magnetized	1	25.36