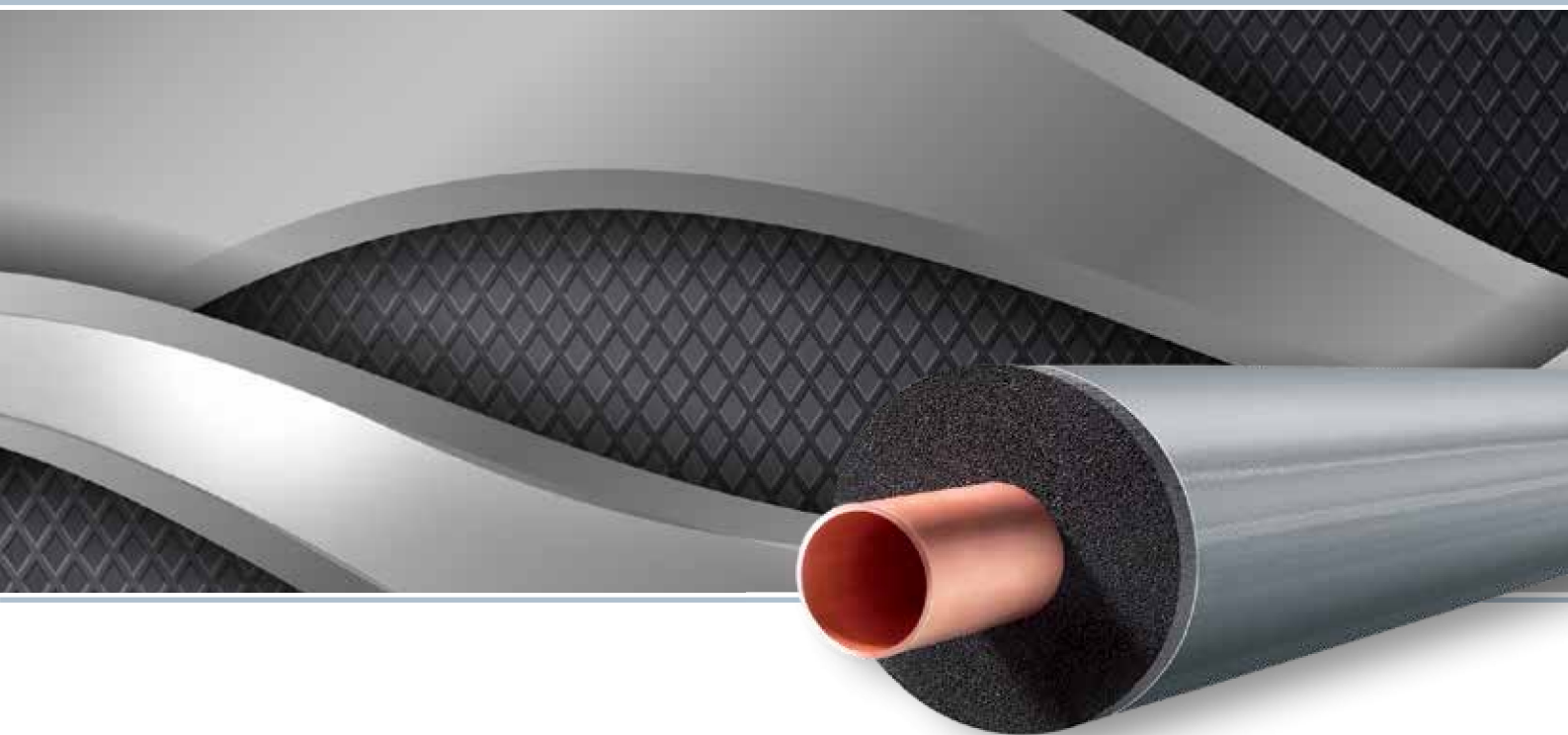


Kaiflex[®] PROTECT ALU-TEC



Rigid PVC cladding with a bright surface finish

Semi-rigid PVC pipe covering with permanent curl characteristics, Kaiflex Protect Alu-TEC protects insulation from damage whilst providing a durable anti-static surface finish.

Kaiflex Protect Alu-TEC gives a visually attractive surface resembling a brightly polished Aluminium pipe, providing all of the advantages of a metallic cladding but with the added benefits of an anti-static surface finish that cannot corrode.

- Non-metallic covering system
- Weather- & UV-resistant for outdoor use
- Non-metallic system for safer use
- Protects against impact
- Self-adhesive strips ensure faster installation



Kaiflex Protect Alu-TEC Technical Data

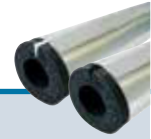
Covering		Flexible hard foil cladding with a weatherproof aluminum bright surface finish	
Colour		Silver	
Thickness		230 µm	
Max. service temperature		+80 °C	
Min. service temperature		-30 °C	See remark (1)
Euroclass °		E _L / E	Test acc. to DIN EN 13501-1
Water vapour permeability		<0.028 g/m ² x d	Test acc. to ISO 15106-2
Weight		340 g/m ²	Test acc. to EN 22286
Tensile Strength	MD	200 N/15 mm	Test acc. to EN ISO 527-3 See remark (2)
	CD	175 N/15 mm	
Elongation	MD	45 %	Test acc. to EN ISO 527-3 See remark (2)
	CD	51 %	
Tear Strength	MD	70 N	Test acc. to EN ISO 527-3 See remark (2)
	CD	28 N	
Puncture resistance	Ø 0.3 mm	23 N	Test acc. to prEN 14477
	Ø 0.8 mm	87 N	
Resistance to	UV	Excellent	
	Mechanical impact	Very good	
	Sea water	Good	
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Outdoor applications		No additional protection required	

Remark (1) For temperatures below -30 °C please contact our Technical Support Team for advice.

Remark (2) MD: Machine Direction · CD: Cross Direction

° The Euroclass rating applies to metallic or solid mineral substrates.

Rigid PVC cladding with a bright surface finish



Kaiflex Protect Alu-TEC ST-tube · Alu-TEC pre-covered · self-adhesive

Colour: Silver · Length: 1 m

Copper pipe Cu			Iron & steel pipe Fe			13 mm Insulation thickness			19 mm Insulation thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m/ carton	Reference	Order No.	m/ carton
1/2	5/8	15.0			16.0	AT-ST13x015	4000739 *	77	AT-ST19x015	4000754 *	43
3/4	7/8	22.0	1/2	21.3	23.0	AT-ST13x022	4000741 *	55	AT-ST19x022	4000755 *	37
1	1 1/8	28.0	3/4	26.9	29.0	AT-ST13x028	4000742 *	43	AT-ST19x028	4000757 *	29
1 1/4	1 3/8	35.0	1	33.7	36.0	AT-ST13x035	4000743 *	38	AT-ST19x035	4000758 *	24
1 1/2	1 5/8	42.0	1 1/4	42.4	43.5	AT-ST13x042	4000744 *	28	AT-ST19x042	4000759 *	20
			1 1/2	48.3	49.5	AT-ST13x048	4000745 *	24	AT-ST19x048	4000760 *	15
2	2 1/8	54.0		54.0	55.0	AT-ST13x054	4000746 *	23	AT-ST19x054	4000761 *	15
			2	60.3	61.5	AT-ST13x060	4000748 *	20	AT-ST19x060	4000762 *	14
2 13/16	3	76.1	2 1/2	76.1	77.0	AT-ST13x076	4000750 *	17	AT-ST19x076	4000765 *	14
3	3 1/8	80.0			81.0	AT-ST13x080	4005602 *	15	AT-ST19x080	4000766 *	13
			3	88.9	90.5	AT-ST13x089	4000751 *	15	AT-ST19x089	4000767 *	11
4	4 1/4	108.0			109.5						
			4	114.3	116.0	AT-ST13x114 °	4000752 *	14	AT-ST19x114 °	4000768 *	9

Copper pipe Cu			Iron & steel pipe Fe			25 mm Insulation thickness					
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m/ carton			
1/2	5/8	15.0			16.0	AT-ST25x015	4000769 *	30			
3/4	7/8	22.0	1/2	21.3	23.0	AT-ST25x022	4000770 *	21			
1	1 1/8	28.0	3/4	26.9	29.0	AT-ST25x028	4000771 *	20			
1 1/4	1 3/8	35.0	1	33.7	36.0	AT-ST25x035	4000772 *	16			
1 1/2	1 5/8	42.0	1 1/4	42.4	43.5	AT-ST25x042	4000773 *	12			
			1 1/2	48.3	49.5	AT-ST25x048	4000774 *	12			
2	2 1/8	54.0		54.0	55.0	AT-ST25x054	4000775 *	11			
			2	60.3	61.5	AT-ST25x060	4000776 *	11			
2 13/16	3	76.1	2 1/2	76.1	77.0	AT-ST25x076	4000778 *	9			
3	3 1/8	80.0			81.0						
			3	88.9	90.5	AT-ST25x089	4000779 *	7			
4	4 1/4	108.0			109.5	AT-ST25x108 °	4005608 *	5			
			4	114.3	116.0	AT-ST25x114 °	4007394 *	5			

* No stock item, delivery time on request.

° Slit (without self-adhesive seal)

For further dimensions please contact our customer service.

Kaiflex® PROTECT ALU-TEC

Rigid PVC cladding with a bright surface finish

Kaiflex Protect Alu-TEC ST-Sheet · Alu-TEC pre-covered · endless






Colour: Silver

Insulation thickness mm	Sheet · endless 1 m width			Sheet · endless · self-adhesive 1 m width		
	Reference	Order No.	m ² /carton	Reference	Order No.	m ² /carton
10	AT-ST10-RL	4000794 *	20	AT-ST10-RL-SK	4002761 *	20
13	AT-ST13-RL	4000795 *	14	AT-ST13-RL-SK	4002762 *	14
19	AT-ST19-RL	4000796 *	10	AT-ST19-RL-SK	4002763 *	10
25	AT-ST25-RL	4000797 *	8	AT-ST25-RL-SK	4002764 *	8
32	AT-ST32-RL	4000798 *	6	AT-ST32-RL-SK	4002765 *	6

* No stock item, delivery time on request.

For insulation of ductwork and vessels - may be used for pipe work with a diameter > 323 mm

Kaiflex Protect Alu-TEC Accessories

	Description	Order No.	Colour	pcs/carton
	Sealing compound · content: 290 ml [◇]	4004680 *	Transparent	12
		4004679 *	Grey	12
	Description	Order No.	Width mm	m/roll
	Coating	4003844 *	1060	25
	Coating · self-adhesive	4003845 *	1060	25
	Description	Order No.	Width mm	rolls/carton
	Protect Alu Butyl Tape · 25 m Length	4004681 *	20	30
		4004682 *	50	12
		4004684 *	100	6
	Protect Alu Tape · 25 m Length	4004401 *	19	36
	Protect Alu Tape · 50 m Length	4004402 *	50	24
		4004403 *	100	12

* No stock item, delivery time on request.

[◇] 1 cartridge seals about 8 m.

In case of creasing Protect sealing compound is to be used. Apply in min. width of 10 mm and min. thickness of 3 mm (refer to Kaiflex Application Manual).

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All values are based on results obtained under typical conditions of use.

Recipient of these technical specifications are to check with Kaimann in advance if given values are meeting the specifications of intended area of application.

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