

ThermaSmart® PRO Tube SA

Thermal Insulation by Thermaflex®

Fully recyclable self-adhesive thermal tube insulation product made of direct extruded, closed-cell high quality Thermoplastic Elastomeric foam

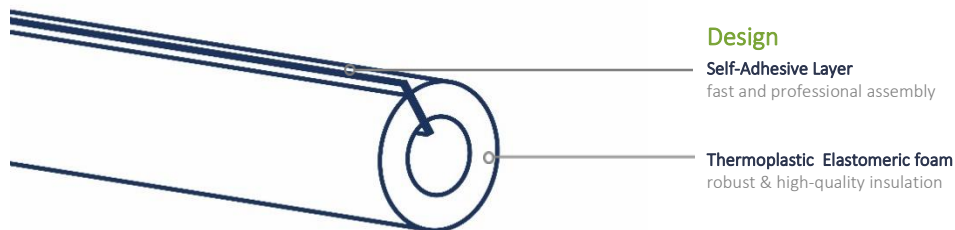


Benefits

- Fast and easy installation with self-adhesive layer
- Consistent performance - Damage free, robust insulation material
- Safety - Excellent fire and smoke behavior
- Excellent insulating properties
- Gain point for Green building program with certified ThermaSmart PRO foam insulation - Cradle to Cradle Certified® Bronze, EPD

Applications

- Suitable only for sanitary and heating applications



Disclaimer

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Technical Properties

Properties	Units SI	Values	Testing method
Physical properties			
Dimensional tolerances	-	Coherent	EN 14313
Density	kg/m ³	18 - 40	-
Structure	-	Fine, closed-cells	-
Color	-	Anthracite	-
Thermal properties			
Maximum service temperature	°C	+95	EN 14707
Thermal conductivity (λ)	W/m·K	0.035 @ 10°C 0.038 @ 40°C	EN ISO 8497
Fire properties			
SBI classification	-	C _L -s1,d0	EN 13501-1
British standard	-	Class 1	BS 476 Part 7
British standard	-	Class 0	BS 476 Part 6
Flammability standard	-	HF-1	UL94
Water resistance properties			
Water absorption	kg/m ²	0.02	EN 13472
Self-Adhesive layer*			
A colorless pressure-sensitive modified acrylic adhesives layer covered with a paper release liner.			
Shelf-life	month	12	(15 – 30°C and RH 40-75%)

*product warranty of the self-adhesive layer is limited to 1 year, the ThermaSmart@PRO foam insulation warranty is according our general terms and conditions.

Availability

- Standard product length is 2m (198-204cm) in carton boxes (205x60x40cm)

Tube insulation				
Carrier Pipe Ø max. [mm]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
		9 (8.0-10.0)	13 (12.0-14.0)	20 (18.0-20.0)
6	7.0-8.5	3004-009006-010		
8	9.0-10.5	3004-009008-010		
12	13.0-15.0	3004-009012-010	3004-013012-010	
15	16.0-17.5	3004-009015-010	3004-013015-010	3004-019015-010
18	19.0-20.5	3004-009018-010	3004-013018-010	3004-019018-010
22	23.0-24.5	3004-009022-010	3004-013022-010	3004-019022-010
28	29.0-30.5	3004-009028-010	3004-013028-010	3004-019028-010
35	36.0-38.0	3004-009035-010	3004-013035-010	3004-019035-010
42	44.0-46.0	3004-009042-010	3004-013042-010	3004-019042-010
48	50.0-52.0	3004-009048-010	3004-013048-010	3004-019048-010
54	56.0-58.0	3004-009054-010	3004-013054-010	3004-019054-010
57	59.0-61.0		3004-013057-010	
60	62.0-64.0		3004-013060-010	3004-019060-010

Availability

- Standard product length is 2 m (198-204 cm) in carton boxes (205x60x40 cm)
- Tubes non-slit



Tube Insulation							
Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
					9 (7.5-10.5)	13 (11.0-15.0)	19 (16.5-21.5)
6				7.0-10.0	3004-009006-000	-	-
8				9.0-12.0	3004-009008-000	3004-013008-000	-
10	3/8"	1/4"	1/8"	11.0-14.0	3004-009010-000	3004-013010-000	3004-019010-000
12	1/2"	3/8"		13.0-16.0	3004-009012-000	3004-013012-000	3004-019012-000
15	5/8"	1/2"	1/4"	16.0-19.0	3004-009015-000	3004-013015-000	3004-019015-000
18	3/4"	5/8"	3/8"	19.0-22.0	3004-009018-000	3004-013018-000	3004-019018-000
20				21.0-24.0	3004-009020-000	3004-013020-000	3004-019020-000
22	7/8"	3/4"	1/2"	23.0-26.0	3004-009022-000	3004-013022-000	3004-019022-000
25				26.0-29.0	3004-009025-000	3004-013025-000	3004-019025-000
28	1-1/8"	1"	3/4"	29.0-32.0	3004-009028-000	3004-013028-000	3004-019028-000
32				33.0-36.0	3004-009032-000	3004-013032-000	3004-019032-000
35	1-3/8"	1-1/4"	1"	36.0-39.0	3004-009035-000	3004-013035-000	3004-019035-000
40				42.0-46.0	3004-009040-000	3004-013040-000	3004-019040-000
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	3004-009042-000	3004-013042-000	3004-019042-000
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3004-009048-000	3004-013048-000	3004-019048-000
50				52.0-56.0	3004-009050-000	3004-013050-000	3004-019050-000
54	2-1/8"	2"		56.0-60.0	3004-009054-000	3004-013054-000	3004-019054-000
57				59.0-63.0	3004-009057-000	3004-013057-000	3004-019057-000
60	2"		2"	62.0-66.0	3004-009060-000	3004-013060-000	3004-019060-000
63				65.0-69.0	3004-009063-000	3004-013063-000	3004-019063-000
70	2-5/8"	2-1/2"		72.0-76.0	3004-009070-000	3004-013070-000	3004-019070-000
76	2-1/2"		2-1/2"	78.0-82.0	3004-009076-000	3004-013076-000	3004-019076-000
80	3-1/8"	3"		82.0-86.0		3004-013080-000	3004-019080-000
89	3"	3-1/2"	3"	91.0-95.0	-	3004-013089-000	3004-019089-000
102	4-1/8"	4"	3-1/2"	105.0-110.0	-	3004-013102-000	3004-019102-000
108				111.0-116.0	-	3004-013108-000	3004-019108-000
114	4"	4-1/2"	4"	117.0-122.0	-	3004-013114-000	3004-019114-000

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Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]	
					25 (22.5-27.5)	30 (27.5-32.5)
6	-	-	-	7.0-10.0	-	-
8	-	-	-	9.0-12.0	-	-
10	3/8"	1/4"	1/8"	11.0-14.0	3004-025010-000	-
12	1/2"	3/8"	-	13.0-16.0	3004-025012-000	3004-030012-000
15	5/8"	1/2"	1/4"	16.0-19.0	3004-025015-000	3004-030015-000
18	3/4"	5/8"	3/8"	19.0-22.0	3004-025018-000	3004-030018-000
20	-	-	-	21.0-24.0	3004-025020-000	3004-030020-000
22	7/8"	3/4"	1/2"	23.0-26.0	3004-025022-000	3004-030022-000
25	-	-	-	26.0-29.0	3004-025025-000	3004-030025-000
28	1-1/8"	1"	3/4"	29.0-32.0	3004-025028-000	3004-030028-000
32	-	-	-	33.0-36.0	3004-025032-000	3004-030032-000
35	1-3/8"	1-1/4"	1"	36.0-39.0	3004-025035-000	3004-030035-000
40	-	-	-	42.0-46.0	3004-025040-000	3004-030040-000
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	3004-025042-000	3004-030042-000
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3004-025048-000	3004-030048-000
50	-	-	-	52.0-56.0	3004-025050-000	3004-030050-000
54	2-1/8"	2"	-	56.0-60.0	3004-025054-000	3004-030054-000
57	-	-	-	59.0-63.0	3004-025057-000	3004-030057-000
60	2"	-	2"	62.0-66.0	3004-025060-000	3004-030060-000
63	-	-	-	65.0-69.0	3004-025063-000	3004-030063-000
70	2-5/8"	2-1/2"	-	72.0-76.0	3004-025070-000	3004-030070-000
76	2-1/2"	-	2-1/2"	78.0-82.0	3004-025076-000	3004-030076-000
80	3-1/8"	3"	-	82.0-86.0	3004-025080-000	3004-030080-000
89	3"	3-1/2"	3"	91.0-95.0	3004-025089-000	3004-030089-000
102	4-1/8"	4"	3-1/2"	105.0-110.0	3004-025102-000	3004-030102-000
108	-	-	-	111.0-116.0	3004-025108-000	3004-030108-000
114	4"	4-1/2"	4"	117.0-122.0	3004-025114-000	3004-030114-000

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- In coils up to $\varnothing 28$ mm and wall thickness 6 - 13 mm
- in carton boxes (61x61x25 cm)



Tube Insulation coil

Service Pipe \varnothing max. [mm]	Service Pipe \varnothing max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation \varnothing [mm]	Insulation Wall thickness [mm]		
					6 (5.0-7.0)	9 (7.5-10.5)	13 (11.0-15.0)
6	-	-	-	7.0-10.0	3104-006006-000	-	-
8	-	-	-	9.0-12.0	3104-006008-000	3104-009008-000	3104-013008-000
10	3/8"	3/8"	1/8"	11.0-14.0	3104-006010-000	3104-009010-000	3104-013010-000
12	1/2"	1/2"	-	13.0-16.0	3104-006012-000	3104-009012-000	3104-013012-000
15	5/8"	5/8"	1/4"	16.0-19.0	3104-006015-000	3104-009015-000	3104-013015-000
18	3/4"	3/4"	3/8"	19.0-22.0	3104-006018-000	3104-009018-000	3104-013018-000
22	7/8"	7/8"	1/2"	23.0-26.0	3104-006022-000	3104-009022-000	3104-013022-000
28	1-1/8"	1-1/8"	3/4"	29.0-32.0	3104-006028-000	3104-009028-000	3104-013028-000

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- Pre-fabricated parts



2-elements elbow

Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
					9 (8.0-10.0)	13 (12.0-14.0)	19 (16,5.0-21.5)
8	-	-	-	9.0-12.0	-	3504-013008-001	-
10	3/8"	1/4"	1/8"	11.0-14.0	-	3504-013010-001	-
12	1/2"	3/8"	-	13.0-16.0	-	3504-013012-001	-
15	5/8"	1/2"	1/4"	16.0-19.0	3504-009015-001	3504-013015-001	-
18	3/4"	5/8"	3/8"	19.0-22.0	3504-009018-001	3504-013018-001	-
20	-	-	-	21.0-24.0	3504-009020-001	3504-013020-001	-
22	7/8"	3/4"	1/2"	23.0-26.0	3504-009022-001	3504-013022-001	3504-019022-001
25	-	-	-	26.0-29.0	3504-009025-001	3504-013025-001	-
28	1-1/8"	1"	3/4"	29.0-32.0	3504-009028-001	3504-013028-001	3504-019028-001
32	-	-	-	33.0-36.0	-	3504-013032-001	-
35	1-3/8"	1-1/4"	1"	36.0-39.0	3504-009035-001	3504-013035-001	3504-019035-001
38	-	-	-	40.0-44.0	-	3504-013038-001	-
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	3504-009042-001	3504-013042-001	3504-019042-001
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3504-009048-001	3504-013048-001	3504-019048-001
54	2-1/8"	2"	-	56.0-60.0	3504-009054-001	3504-013054-001	3504-019054-001
60	2"	-	2"	62.0-66.0	3504-009060-001	3504-013060-001	3504-019060-001
63	-	-	-	65.0-69.0	3504-009063-001	3504-013063-001	3504-019063-001
76	2-1/2"	-	2-1/2"	78.0-82.0	3504-009076-001	3504-013076-001	-
89	3"	3-1/2"	3"	91.0-95.0	-	3504-013089-001	-
108	-	-	-	111.0-116.0	-	3504-013108-001	-
114	4"	4-1/2"	4"	117.0-122.0	-	3504-013114-001	-

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3-Elements elbow

Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
					9 (7.5-10.5)	13 (11.0-15.0)	19 (16.5-21.5)
15	5/8"	1/2"	1/4"	16.0-19.0	3504-009015-031	3504-013015-031	-
18	3/4"	5/8"	3/8"	19.0-22.0	3504-009018-031	3504-013018-031	-
22	7/8"	3/4"	1/2"	23.0-26.0	3504-009022-031	3504-013022-031	3504-019022-031
28	1-1/8"	1"	3/4"	29.0-32.0	3504-009028-031	3504-013028-031	3504-019028-031
35	1-3/8"	1-1/4"	1"	36.0-39.0	-	3504-013035-031	3504-019035-031
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	-	3504-013042-031	3504-019042-031
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3504-009048-031	3504-013048-031	3504-019048-031
54	2-1/8"	2"	-	56.0-60.0	-	3504-013054-031	3504-019054-031
60	2"	-	2"	62.0-66.0	3504-009060-031	3504-013060-031	3504-019060-031
63	-	-	-	65.0-69.0	3504-009063-031	3504-013063-031	3504-019063-031

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4-Elements elbow

Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
					9 (7.5-10.5)	13 (11.0-15.0)	19 (16.5-21.5)
8	-	-	-	9.0-12.0	-	3504-013008-041	-
10	3/8"	1/4"	1/8"	11.0-14.0	-	3504-013010-041	-
12	1/2"	3/8"	-	13.0-16.0	-	3504-013012-041	-
15	5/8"	1/2"	1/4"	16.0-19.0	3504-009015-041	3504-013015-041	3504-019015-041
18	3/4"	5/8"	3/8"	19.0-22.00	3504-009018-041	3504-013018-041	3504-019018-041
20	-	-	-	21.0-24.0	3504-009020-041	3504-013020-041	-
22	7/8"	3/4"	1/2"	23.0-26.0	3504-009022-041	3504-013022-041	3504-019022-041
25	-	-	-	26.0-29.0	3504-009025-041	3504-013025-041	-
28	1-1/8"	1"	3/4"	29.0-32.0	3504-009028-041	3504-013028-041	3504-019028-041
32	-	-	-	33.0-36.0	-	3504-013032-041	-
35	1-3/8"	1-1/4"	1"	36.0-39.0	3504-009035-041	3504-013035-041	3504-019035-041
38	-	-	-	40.0-44.0	-	3504-013038-041	-
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	3504-009042-041	3504-013042-041	3504-019042-041
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3504-009048-041	3504-013048-041	3504-019048-041
54	2-1/8"	2"	-	56.0-60.0	3504-009054-041	3504-013054-041	3504-019054-041
60	2"	-	2"	62.0-66.0	3504-009060-041	3504-013060-041	3504-019060-041
63	-	-	-	65.0-69.0	3504-009063-041	3504-013063-041	3504-019063-041
70	2-5/8"	2-1/2"	-	72.0-76.0	-	-	3504-019070-041
76	2-1/2"	-	2-1/2"	78.0-84.0	3504-009076-041	3504-013076-041	-
89	3"	3-1/2"	3"	91.0-95.0	-	3504-013089-041	3504-019089-041
108	-	-	-	110.0-114.0	-	3504-013108-041	-
114	4"	4-1/2"	4"	116.0-122.0	-	3504-013114-041	-

Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]	
					25 (24.0-26.0)	30 (29.0-31.0)
28	1-1/8"	1"	3/4"	29.0-32.0	-	3504-030028-041
35	1-3/8"	1-1/4"	1"	37.0-39.0	-	3504-030035-041
54	2-1/8"	2"	-	56.0-60.0	3504-025054-041	-
60	2"	-	2"	62.0-66.0	3504-025060-041	-
76	2-1/2"	-	2-1/2"	78.0-84.0	3504-025076-041	-
108	-	-	-	111.0-116.0	3504-025108-041	-
114	4"	4-1/2"	4"	117.0-122.0	-	3504-030114-041

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T-pieces							
Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
					9 (7.5-10.5)	13 (11.0-15.0)	19 (16.5-21.5)
8	-	-	-	9.0-12.0	-	3504-013008-301	-
10	3/8"	1/4"	1/8"	11.0-14.0	-	3504-013010-301	-
12	1/2"	3/8"	-	13.0-16.0	-	3504-013012-301	-
15	5/8"	1/2"	1/4"	16.0-19.0	3504-009015-301	3504-013015-301	3504-019015-301
18	3/4"	5/8"	3/8"	19.0-22.0	3504-009018-301	3504-013018-301	3504-019018-301
20	-	-	-	21.0-24.0	3504-009020-301	3504-013020-301	-
22	7/8"	3/4"	1/2"	23.0-26.0	3504-009022-301	3504-013022-301	3504-019022-301
25	-	-	-	26.0-29.0	3504-009025-301	3504-013025-301	-
28	1-1/8"	1"	3/4"	29.0-32.0	3504-009028-301	3504-013028-301	3504-019028-301
32	-	-	-	33.0-36.0	-	3504-013032-301	-
35	1-3/8"	1-1/4"	1"	36.0-39.0	3504-009035-301	3504-013035-301	3504-019035-301
38	-	-	-	40.0-42.0	-	3504-013038-301	-
42	1-5/8"	1-1/2"	1-1/4"	44.0-48.0	3504-009042-301	3504-013042-301	3504-019042-301
48	1-1/2"	1-3/8"	1-1/2"	50.0-54.0	3504-009048-301	3504-013048-301	3504-019048-301
54	2-1/8"	2"	-	56.0-60.0	3504-009054-301	3504-013054-301	3504-019054-301
60	2"	-	2"	62.0-66.0	3504-009060-301	3504-013060-301	3504-019060-301
63	-	-	-	65.0-69.0	3504-009063-301	3504-013063-301	3504-019063-301
70	2-5/8"	2-1/2"	-	72.0-76.0	-	-	3504-019070-301
76	2-1/2"	-	2-1/2"	78.0-84.0	3504-009076-301	3504-013076-301	-
89	3"	3-1/2"	3"	91.0-95.0	-	3504-013089-301	3504-019089-301
108	-	-	-	111.0-116.0	-	3504-013108-301	-
114	4"	4-1/2"	4"	117.0-122.0	-	3504-013114-301	-

Service Pipe Ø max. [mm]	Service Pipe Ø max. [inch]	OD Copper / CTS [inch]	ID Iron, PVC, IPS [inch]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]	
					25 (22.5-27.5)	30 (27.5-32.5)
28	1-1/8"	1"	3/4"	29.0-32.0	-	3504-030028-301
35	1-3/8"	1-1/4"	1"	36.0-39.0	-	3504-030035-301
54	2-1/8"	2"	-	56.0-60.0	3504-025054-301	-
60	2"	-	2"	62.0-66.0	3504-025060-301	-
76	2-1/2"	-	2-1/2"	78.0-84.0	3504-025076-301	-
89	3"	3-1/2"	3"	91.0-95.0	3504-025089-301	-
108	-	-	-	111.0-116.0	3504-025108-301	-
114	4"	4-1/2"	4"	117.0-122.0	3504-025114-301	3504-030114-301

Disclaimer

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