

ThermaSmart® PRO Tube

Thermal Insulation by Thermaflex®

Fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality polyolefin foam

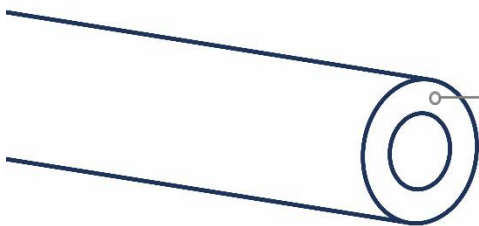


Benefits

- Condensation free system for life-time installed by qualified insulator
- Low risk of corrosion under the insulation
- Consistent performance - Damage free, robust insulation material
- Safety - Excellent fire and smoke behavior
- Fast fabrication of fitting insulation - Welding technique up to ID42mm
- Gain point for Green building program - Cradle to Cradle Certified™ Bronze, EPD, RoHS

Applications

- All HVAC-R systems: Heating, Cooling, Air conditioning and Refrigeration



Design
Polyolefin foam
durable insulation material

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			
Service temperature range	°C	-80 to +95	-
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	-	B _s , 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 vapor diffusion	μ	≥ 10,000	EN 13469
Water absorption	kg/m ²	0.01	EN 13472

Availability

- Standard product length is 2m (198-204cm) in carton boxes (205x60x40cm)
- Tubes without an incision

Tube Insulation				
Carrier Pipe Ø max. [mm]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
		6 (5.0-6.5)	9 (8.0-10.0)	13 (12.0-14.0)
6	7.0-8.5	3000-006006-000	3000-009006-000	
8	9.0-10.5	3000-006008-000	3000-009008-000	3000-013008-000
10	11.0-12.5	3000-006010-000	3000-009010-000	3000-013010-000
12	13.0-15.0	3000-006012-000	3000-009012-000	3000-013012-000
15	16.0-17.5	3000-006015-000	3000-009015-000	3000-013015-000
18	19.0-20.5	3000-006018-000	3000-009018-000	3000-013018-000
20	21.0-22.5	3000-006020-000	3000-009020-000	3000-013020-000
22	23.0-24.5	3000-006022-000	3000-009022-000	3000-013022-000
25	26.0-27.5	3000-006025-000	3000-009025-000	3000-013025-000
28	29.0-30.5	3000-006028-000	3000-009028-000	3000-013028-000
32	33.0-35.0		3000-009032-000	3000-013032-000
35	36.0-38.0	3000-006035-000	3000-009035-000	3000-013035-000
40	42.0-43.5		3000-009040-000	3000-013040-000
42	44.0-46.0		3000-009042-000	3000-013042-000
48	50.0-52.0		3000-009048-000	3000-013048-000
50	52.0-54.0		3000-009050-000	3000-013050-000
54	56.0-58.0		3000-009054-000	3000-013054-000

57	59.0-61.0	3000-009057-000	3000-013057-000
60	62.0-64.0	3000-009060-000	3000-013060-000
64	65.0-67.5	3000-009063-000	3000-013063-000
70	72.0-74.0	3000-009070-000	3000-013070-000
76	77.0-79.5	3000-009076-000	3000-013076-000
80	82.0-84.0		3000-013080-000
89	91.5-94.5		3000-013089-000
102	105.0-108.0		3000-013102-000
108	111.5-114.0		3000-013108-000
114	117.0-120.0		3000-013114-000
125	117.0-120.0		3000-013125-000

Carrier Pipe Ø max. [mm]	Tube Insulation Ø [mm]	Insulation Wall thickness [mm]		
		19 (18.0-20.0)	25 (24.0-26.0)	30 (29.0-31.0)
6	7.0-8.5			
8	9.0-10.5			
10	11.0-12.5	3000-019010-000	3000-025010-000	
12	13.0-15.0	3000-019012-000	3000-025012-000	3000-030012-000
15	16.0-17.5	3000-019015-000	3000-025015-000	3000-030015-000
18	19.0-20.5	3000-019018-000	3000-025018-000	3000-030018-000
20	21.0-22.5	3000-019020-000	3000-025020-000	3000-030020-000
22	23.0-24.5	3000-019022-000	3000-025022-000	3000-030022-000
25	26.0-27.5	3000-019025-000	3000-025025-000	3000-030025-000
28	29.0-30.5	3000-019028-000	3000-025028-000	3000-030028-000
32	33.0-35.0	3000-019032-000	3000-025032-000	3000-030032-000
35	36.0-38.0	3000-019035-000	3000-025035-000	3000-030035-000
40	42.0-43.5	3000-019040-000	3000-025040-000	3000-030040-000
42	44.0-46.0	3000-019042-000	3000-025042-000	3000-030042-000
48	50.0-52.0	3000-019048-000	3000-025048-000	3000-030048-000
50	52.0-54.0	3000-019050-000	3000-025050-000	3000-030050-000
54	56.0-58.0	3000-019054-000	3000-025054-000	3000-030054-000
57	59.0-61.0	3000-019057-000	3000-025057-000	3000-030057-000
60	62.0-64.0	3000-019060-000	3000-025060-000	3000-030060-000
64	65.0-67.5	3000-019063-000	3000-025063-000	3000-030063-000
70	72.0-74.0	3000-019070-000	3000-025070-000	3000-030070-000
76	77.0-79.5	3000-019076-000	3000-025076-000	3000-030076-000
80	82.0-84.0	3000-019080-000	3000-025080-000	3000-030080-000
89	91.5-94.5	3000-019089-000	3000-025089-000	3000-030089-000
102	105.0-108.0	3000-019102-000	3000-025102-000	3000-030102-000
108	111.5-114.0	3000-019108-000	3000-025108-000	3000-030108-000
114	117.0-120.0	3000-019114-000	3000-025114-000	3000-030114-000
125	117.0-120.0	3000-019125-000		