

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 polyolefins.

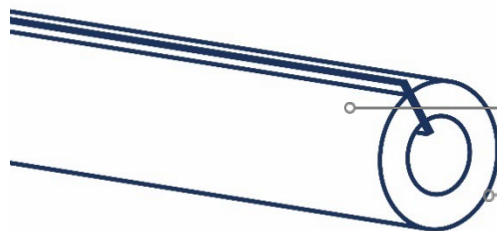


Benefits

- Condensation-free, closed-cell barrier prevents moisture damage.
- Excellent fire and smoke classification meets European standards.
- Superior durability, shock-absorbing, crack-resistant material withstands compression.
- Homogeneous welded connections create airtight, vapour-tight joints.
- Low CUI risk protects equipment, reduces maintenance costs, and extends system lifespan significantly.
- Gain points for Green building programme - Cradle to Cradle Certified® Bronze, EPD and REACH compliant.

Applications

- Suitable only for sanitary and heating applications.



Design

Self-adhesive layer
fast and professional assembly

Thermoplastic polyolefin foam
robust & high-quality insulation



Disclaimer

All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.



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	-
Colour	-	anthracite	-
Thermal properties			
Maximum service temperature	°C	-80 °C to +95 °C	EN 14707, EN 14313
Thermal conductivity (λ)	W/m·K	0.038 @ 40°C 0.034 @ 0°C	EN ISO 8497, EN 12667
Fire properties			
SBI classification	-	B _s 1d0	EN 13501-1
Flammability standard	-	HF-1	UL94
Water resistance properties			
Water absorption		WS 005	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%)

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

Availability

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

Tube insulation				
Carrier pipe Ø max. [mm]	Tube insulation Ø [mm]	Insulation wall thickness [mm]		
		9 (7.5-10.5)	13 (11.0-15.0)	20 (17.5-22.5)
6	7.0-10.0	3004-009006-010		
8	9.0-12.0	3004-009008-010		
12	13.0-16.0	3004-009012-010	3004-013012-010	
15	16.0-19.0	3004-009015-010	3004-013015-010	3004-019015-010
18	19.0-22.0	3004-009018-010	3004-013018-010	3004-019018-010
22	23.0-26.0	3004-009022-010	3004-013022-010	3004-019022-010
28	29.0-32.0	3004-009028-010	3004-013028-010	3004-019028-010
35	36.0-39.0	3004-009035-010	3004-013035-010	3004-019035-010
42	44.0-48.0	3004-009042-010	3004-013042-010	3004-019042-010
48	50.0-54.0	3004-009048-010	3004-013048-010	3004-019048-010
54	56.0-60.0	3004-009054-010	3004-013054-010	3004-019054-010
57	59.0-63.0		3004-013057-010	
60	62.0-66.0		3004-013060-010	3004-019060-010