

# ThermaSmart® PRO Sheet SA

Thermal insulation by Thermaflex

Self-adhesive thermal insulation sheet made from direct-extruded, closed-cell, high-quality thermoplastic polyolefin foam.

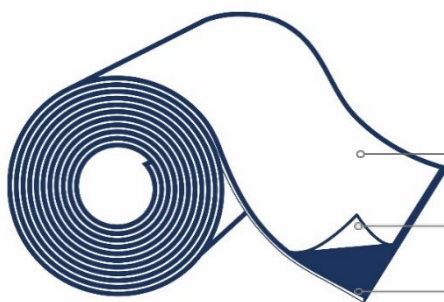


## Benefits

- Condensation-free system installed by qualified installer.
- Consistent performance - damage-free, robust insulation material.
- Fast installation due to self-adhesive layer.
- Safety - Excellent fire and smoke behaviour.
- Gain points for green building programme with certified ThermaSmart® PRO foam insulation - Cradle to Cradle Certified® Bronze.

## Applications

- Heating and air conditioning applications.



### Design

**Paper release liner**  
effectively protects the insulation

**Self-adhesive layer**  
quick and easy assembly

**Thermoplastic polyolefin foam**  
durable insulation material



### 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 the 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
<b>Physical properties</b>			
Dimensional tolerances	-	Coherent	EN 14313
Density	kg/m <sup>3</sup>	18 - 40	-
Structure	-	Fine, closed-cell	-
Colour	-	Anthracite	-
<b>Thermal properties</b>			
Maximum service temperature	°C	+95*	EN 14706
Thermal conductivity (λ)	W/m·K	0.035 @ 10 °C 0.038 @ 40 °C	EN 12667
<b>Fire properties</b>			
SBI classification	-	B, s2, d0	EN 13501-1
<b>Water resistance properties</b>			
Water vapor diffusion	μ	≥ 5.300	EN 13469
Water absorption		WS 005	ISO 29767
<b>Self-Adhesive layer**</b>			
A colourless pressure-sensitive modified acrylic adhesives layer covered with a paper release liner.			
Shelf-life	month	12	(15 – 30°C and RH 40-75%)

\*The adhesion with self-adhesive layer was tested according to our installation manual on a flat metal surface in an oven at 95°C for 7 days.

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

## Availability

- Standard rolls, width 1000 mm (990 – 1010 mm).
- Short rolls, width 1000 mm (990 – 1010 mm).

Item Code	Wall thickness [mm]	Content [m <sup>2</sup> ]	Measures
<b>Rolls, width = 1000 mm**</b>			
3200-007100-104	7.5 (6.0 – 9.0)	100	1 m x 100 m roll***
3200-010100-104	10 (8.5 – 11.5)	104	1 m x 104 m roll***
3200-013100-104	13 (11.0 – 15.0)	78	1 m x 78 m roll***
3200-019100-104*	19 (16.5 – 21.5)	52	1 m x 52 m roll***
3200-025100-104*	25 (22.5 – 27.5)	39	1 m x 39 m roll***
<b>Short rolls, width = 1000 mm**</b>			
3200-010100-304	10 (8.5 – 11.5)	10	1 m x 10 m roll***
3200-013100-304	13 (11.0 – 15.0)	8	1 m x 8 m roll***
3200-019100-304*	19 (16.5 – 21.5)	6	1 m x 6 m roll***
3200-025100-304*	25 (22.5 – 27.5)	4	1 m x 4 m roll***

\*On request.

\*\*Laminated sheet 2 x 500 mm.

\*\*\*The roll may consist out of 2 pieces with total roll length as declared in the table with 1 extra meter for compensation.