



Technical Data Sheet

ThermaSmart[®] PRO Sheet

Thermal Insulation by Thermaflex[®]

ThermaSmart[®] PRO, a fully recyclable thermal sheet insulation product made of direct extruded, closed-cell high quality polyolefin foam.

Benefit from:

- Condensation free system for life-time installed by qualified insulator
- Consistent performance - Damage free, robust insulation material
- Safety - Excellent fire and smoke behavior
- Gain point for Green building program - Cradle to Cradle Certified[™] Bronze, EPD, RoHS



Applications

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

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 12667
Fire properties			
SBI classification	-	B, s2, 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	≥ 5300	EN 12086
Water absorption	kg/m ²	0.05	EN 1609

Availability

Wall thickness [mm]	Content [m ²]	Measures	Item code
Rolls, Width = 1000mm* (990-1010mm)			
7.5 (6.0-9.0)	100	1m x 100m roll	3200-007100-004
10 (8.5-11.5)	104	1m x 104m roll	3200-010100-004
13 (11.0-15.0)	78	1m x 78m roll	3200-013100-004
19 (17.0-21.0)	52	1m x 52m roll	3200-019100-004
25 (23.0-27.0)	39	1m x 39m roll	3200-025100-004
Short Rolls, Width = 1000mm* (990-1010mm)			
10 (8.5-11.5)	10	1m x 10m roll	3200-010100-204
13 (11.0-15.0)	8	1m x 8m roll	3200-013100-204
19 (17.0-21.0)	6	1m x 6m roll	3200-019100-204
25 (23.0-27.0)	4	1m x 4m roll	3200-025100-204

* laminated sheet 2x.500mm