



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 polyolefine 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 ISO 8497
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	-	-	UL94
Smoke & Toxicity	-	Pass	IMO Resolution MSC 61(67)
Water resistance properties			
Water vapor diffusion	μ	≥ 5300	EN 13469
Water absorption	kg/m ²	0.05	EN 13472

Availability

Wall thickness [mm]	PU Content [m ²]	Measures	Item code
Rolls, Width = 1000mm*			
7.5	100	1m x 100m roll	3200-007100-004
10	104	1m x 104m roll	3200-010100-004
13	78	1m x 78m roll	3200-013100-004
19	52	1m x 52m roll	3200-019100-004
25	39	1m x 39m roll	3200-025100-004
Short Rolls, Width = 1000mm*			
10	10	1m x 10m roll	3200-010100-204
13	8	1m x 8m roll	3200-013100-204
19	6	1m x 6m roll	3200-019100-204
25	4	1m x 4m roll	3200-025100-204

* laminated sheet 2x.500mm