

ThermaSmart® ENEV-Q

Thermal Insulation by Thermaflex®

Fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality thermoplastic foam with coextruded yellow polyolefin outer skin

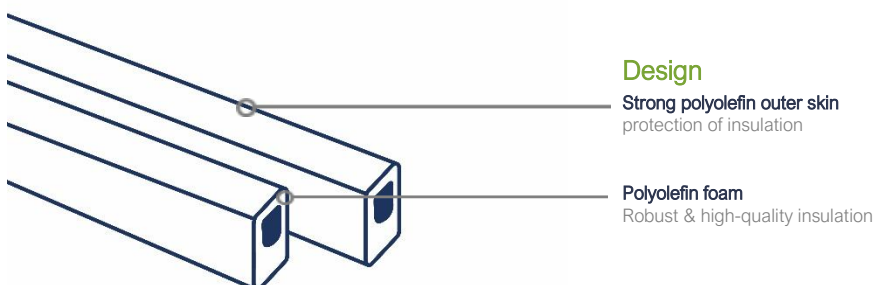


Benefits

- German EnEV compliant product range
- Condensation free system for life-time installed by qualified insulator
- Consistent performance – Damage free, robust insulation material

Applications

- Heat distribution lines in under-floor application



Technical Properties

Properties	Units SI	Values	Testing method
Physical properties			
Dimensional tolerances	-	Coherent	EN 14313
Density (foam)	kg/m ³	25-35	-
Foam structure	-	Fine, closed-cells	-
Color	-	Foam: Anthracite Skin: Yellow	-
Pressure resistance	N/mm ²	Force 10%: 0.035-0.045 Force 20%: 0.060-0.090 Force 50%: 0.130-0.170	ISO 844 / DIN 53577
Thermal properties			
Maximum service temperature	°C	+95	EN 14707
Thermal conductivity (λ)	W/m-K	0.040 @ 40°C	EN ISO 8497
Fire properties			
SBI classification	-	Class E _L	EN 13501-1
Water resistance properties			
Water absorption	kg/m ²	0.01	EN 13472

Availability

- Standard product length is 1.5m (149-153cm) in carton boxes (157x40x30cm)
- Product version: non-slit



Carrier Pipe Ø max. [mm]	Insulation Wall thickness [mm]		Product dimensions				
	Fb	EnEV100%	Total height	Total width	A (lower wall)	B (hole)	C (upper wall)
15	6		27.0-31.0	26.0-30.0	6.0-8.0	16.0-18.0	5.0-7.0
		20	45.0-49.0	28.0-32.0	24.6-26.6	16.0-18.0	6.0-8.0
18	6		30.0-34.0	29.0-33.0	6.0-8.0	19.0-21.0	5.0-7.0
		20	47.5-51.5	31.0-35.0	24.1-26.1	19.0-21.0	6.0-8.0
22	6		34.0-38.0	33.0-37.0	6.0-8.0	23.0-25.0	5.0-7.0
		20	51.5-55.5	35.0-39.0	23.3-25.3	23.0-25.0	6.0-8.0
28	6		41.0-45.0	40.0-44.0	6.0-8.0	29.0-31.0	5.0-7.0
		20 ¹	57.0-61.0	41.0-45.0	23.3-25.3	29.0-31.0	6.0-8.0
35	6		48.0-52.0	47.0-51.0	6.0-8.0	36.0-38.0	5.0-7.0
		30	78.0-82.0	52.0-56.0	36.0-38.0	36.0-38.0	8.0-10.0
42		40	95.0-99.0	59.0-63.0	47.4-49.4	43.0-45.0	8.0-10.0

¹ 100% insulation according to EnEV only for Fe pipes