

# 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

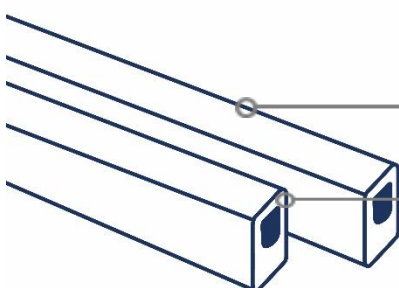


## Benefits

- German GEG 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



### Design

**Strong polyolefin outer skin**  
protection of insulation

**Polyolefin foam**  
Robust & high-quality insulation



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

## Availability

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



Carrier Pipe	Insulation Wall thickness [mm]		Product dimensions								
	Ø max. [mm]	Fb*	Item Code	GEG 100% Item Code	Total height	Total width	A (lower wall)	B (hole)	C (upper wall)		
15		6	3009-006015-518		27.0-31.0	26.0-30.0	6.0-8.0	16.0-18.0	5.0-7.0		
				20	3009-020015-518	45.0-49.0	28.0-32.0	24.6-26.6	16.0-18.0	6.0-8.0	
18		6	3009-006018-518		30.0-34.0	29.0-33.0	6.0-8.0	19.0-21.0	5.0-7.0		
				20	3009-020018-518	47.5-51.5	31.0-35.0	24.1-26.1	19.0-21.0	6.0-8.0	
22		6	3009-006022-518		34.0-38.0	33.0-37.0	6.0-8.0	23.0-25.0	5.0-7.0		
				20	3009-020022-518	51.5-55.5	35.0-39.0	23.3-25.3	23.0-25.0	6.0-8.0	
28		6	3009-006028-518		41.0-45.0	40.0-44.0	6.0-8.0	29.0-31.0	5.0-7.0		
				20 <sup>1</sup>	3009-020028-518	57.0-61.0	41.0-45.0	23.3-25.3	29.0-31.0	6.0-8.0	
35		6	3009-006035-518		48.0-52.0	47.0-51.0	6.0-8.0	36.0-38.0	5.0-7.0		
				30	3009-030035-518	78.0-82.0	52.0-56.0	36.0-38.0	36.0-38.0	8.0-10.0	
42					40	3009-040042-518	95.0-99.0	59.0-63.0	47.4-49.4	43.0-45.0	8.0-10.0

<sup>1</sup> 100% insulation according to GEG only for Fe pipes  
\* according to GEG (Fb = in the floor structure)