

# ThermaSmart® ENEV Tube

Thermal Insulation by Thermaflex®

Fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality polyethylene foam designed for the German market

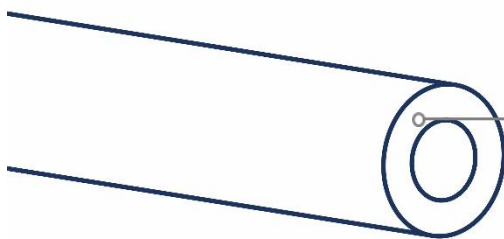


## Benefits

- German EnEV compliant product range
- Consistent performance - Damage free, robust insulation material
- Safety - Excellent fire and smoke behavior
- Fast fabrication of fitting insulation - Welding technique up to ID42mm

## Applications

- Heating and sanitary applications



### Design

Polyethylene foam  
durable insulation material



# Technical Properties

Properties	Units SI	Values	Testing method
<b>Physical properties</b>			
Dimensional tolerances	-	Coherent	EN 14313
Density	kg/m <sup>3</sup>	21 - 33	-
Structure	-	Fine, closed-cells	-
Color	-	Anthracite	-
<b>Thermal properties</b>			
Maximum service temperature	°C	+95	EN 14707
Thermal conductivity (λ)	W/m·K	0.034 @ 10°C 0.036 @ 30°C	EN ISO 8497
<b>Fire properties</b>			
SBI classification	-	C <sub>L</sub> , s1, d0	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 (148,5-153cm) in carton boxes (157x40x30cm)
- In coils up to Ø 28mm and wall thickness 10mm
- Product versions: non-slit
- Pre-fabricated parts

Copper Pipes Cu		Steel Pipes Fe		Tube Insulation Ø [mm]	Insulation Wall Thickness [mm]		
Outer Ø [mm]	DN	Inch	Outer Ø [mm]	DN	Fb	EnEV 50%	EnEV 100%
15.0	10	1/4	13.5	8	16 (16.0-17.5)	10 (9.5-11.5)*	20 (19.5-21.5)
18.0	15	3/8	17.2	10	18 (19.0-20.5)	10 (9.5-11.5)*	20 (19.5-21.5)
					20 (21.0-22.5)	10 (9.5-11.5)	20 (19.5-21.5)
22.0	20	1/2	21.3	15	22 (23.0-24.5)	10 (9.5-11.5)*	20 (19.5-21.5)
					26 (26.0-27.5)	10 (9.5-11.5)	20 (19.5-21.5)
		3/4	26.9	20	28 (29.0-30.5)	10 (9.5-11.5)*	20 (19.5-21.5)
28.0	25				28 (29.0-30.5)	15 (14.0-16.0)	30 (29.5-31.5)
35.0	32	1	33.7	25	35 (36.0-38.0)	6 (6.0-7.0)	15 (14.0-16.0)
42.0	40	1 1/4	42.4	32	42 (44.0-46.0)	6 (6.0-7.0)	20 (19.5-21.5)
		1 1/2	48.3	40	48 (50.0-52.0)	20 (19.5-21.5)	35 (34.5-36.5)
54.0	50				54 (56.0-58.0)	25 (24.5-26.5)	
		2	60.3	50	60 (62.0-64.0)	30 (29.5-31.5)	

\*available in coils

