



Technical Data Sheet

ThermaEco FRZ

Thermal Insulation by Thermaflex[®]

ThermaEco FRZ, a fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality polyethylene foam.

Benefit from:

- Wide product range and prefabrications
- Consistent performance - Damage free, robust insulation material

Applications

- Domestic heating and plumbing – energy conservation

Technical Properties

Properties	Units SI	Values	Testing method
Physical properties			
Dimensional tolerances	-	Coherent	EN 14313
Density	kg/m ³	25 – 40	-
Structure	-	fine, closed-cell	-
Color	-	grey	-
Thermal properties			
Service temperature range	°C	-80 to +95	-
Maximum service temperature	°C	+95	EN 14707
Thermal conductivity (λ)	W/m.K	0.038 @ 20°C 0.040 @ 40°C	EN ISO 8497
Fire properties			
SBI classification	-	E _L	EN 13501-1
Water resistance properties			
Water absorption	kg/m ²	0.05	EN 13472

Availability

- Standard product length is 2m (198-204cm) in carton boxes (205x60x40cm)
- Product versions: pre-slit

Carrier Pipe Ø max. [mm]	Tube Insulation Ø [mm]	Carrier Pipe Ø max. [mm]	Tube Insulation Ø [mm]
10	11.5-12.5	42	44.0-46.0
12	13.5-14.5	48-50	51.0-52.5
15-16	16.5-17.5	54	56.0-58.0
18	19.5-20.5	57	59.0-61.0
20-21	21.5-23.0	60	62.0-64.0
22	23.5-24.5	63	64.0-67.0
25	26.0-28.0	70	72.5-74.0
27	28.0-29.5	75-76	78.5-80.5
28	29.5-31.0	89-90	91.5-93.5
32-34	34.5-36.0	102	105.0-107.0
35	37.0-38.5	108	111.0-113.0
40	42.0-44.0	114	117.0-119.0

Insulation Wall thickness [mm]
6 (5-6.5)
9 (8-10)
13 (12-14)
20 (19-21)
25 (26-28) d10+15
25 (25-27) d18-22
25 (24-26) >d22
30 (29-31)