

Technical Insulation

Thermaflex[®] Insulation Solution



TECHNICAL INSULATIONS



ThermaSmart® PRO

A sustainable solution for heating, sanitary, ventilation, air-conditioning and cooling systems

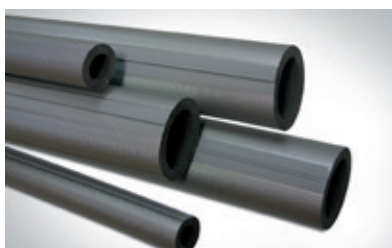
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ThermaEco

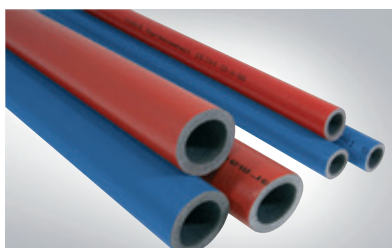
System of technical insulation for heating, sanitary, ventilation and air conditioning installations

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Ultra M

System of technical insulation for heating and sanitary, external surface laminated with knurled PE foil



ThermaCompact

Technical insulation system for flush-mounted installation

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ThermaCompact TF

Acoustic insulation effectively suppressing noise emitted by installations



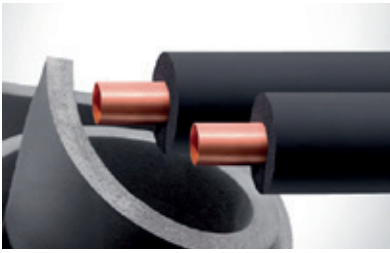
PUR insulations

Technical insulation system made of semi-rigid polyurethane foam for heating systems



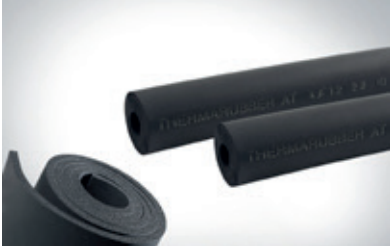
Mineral wool insulations

Mineral wool tubes for thermal and acoustic insulation of heating pipelines and industrial systems



Rubber insulations

Flexible technical insulation of rubber foam for cooling, air conditioning and ventilation systems



Solar insulations

Technical insulations for solar systems



Coats of ALU sheet

Coats of Alu sheet for protecting insulation against mechanical damage and weather conditions.

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DEFINITION OF AVAILABILITY

Estimated delivery times for products:

A – delivery up to 1 week*

B – delivery from 1 to 3 weeks

C – delivery time will be confirmed individually for the selected assortment

* Lead time included transport to customer location for orders placed before 12:00.
For orders placed after 12:00, extra 1 day should be added.

ThermaSmart[®] PRO

Technical insulation with B fire class

Fully recyclable complete insulation solution made of direct extruded, closed-cell high quality polyolefin foam



Benefits

- Safety - Excellent fire and smoke behavior
- Condensation free system for life-time installed by qualified insulator
- Consistent performance - Damage free, robust insulation material
- Gain point for Green building program - Cradle to Cradle Certified™ Bronze, EPD, RoHS

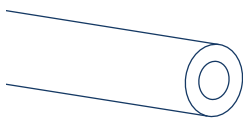
Applications

- All HVAC-R systems: Heating, Ventilation, Air conditioning and Cooling (for ThermaSmart PRO tubes & sheets)
- Sanitary and heating systems (for ThermaSmart PRO - tubes with partial incision and ThermaSmart PRO SA - self-adhesive tubes)

Types of products

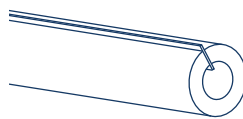
ThermaSmart[®] PRO - Tube

Insulation tube made of high quality polyolefin foam, with or without partial incision



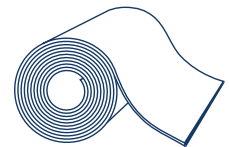
ThermaSmart[®] PRO SA - Self-adhesive tube

Self-adhesive Insulation tube with a slit covered on both sides with a layer of glue



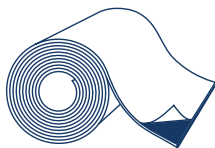
ThermaSmart[®] PRO - Sheet

Insulation sheet in rolls



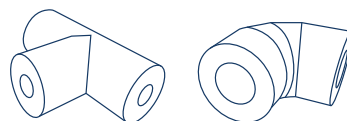
ThermaSmart[®] PRO SA - sheet

Self-adhesive insulation sheet in rolls



ThermaSmart[®] PRO - Prefabricated parts

Ready fittings for professional and quick assembly



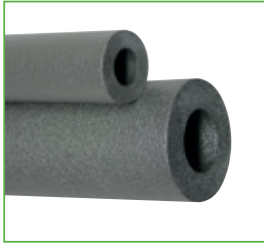
Technical Properties

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	EN 14707
Maximum service temperature	°C	+95	-
Thermal conductivity (λ)	W/m·K	0.035 at 10°C 0.038 at 40°C	EN ISO 8497
Fire properties			
SBI classification	-	B ₁ - s1, d0 (tubes) B - s2, d0 (sheets)	EN 13501-1
British standard	-	Class 1	BS 476 Part 7
British standard	-	Class 0	BS 476 Part 6
Flammability standard	-	HF-1	UL94
Water resistance properties			
Water vapor diffusion	μ	≥ 10.000 (standard tubes, not for self-adhesive tubes) ≥ 5.300 (sheets)	EN 13469
Water absorption	kg/m ²	0.01 (tubes) 0.05 (sheets)	EN 13472 EN 1609

Current authorizations, approvals, test results, technical test reports are available at www.thermaflex.com

ThermaSmart® PRO - tubes with partial incision

Tubes of high quality polyolefin foam, grey. For sanitary and heating application



Packed into 40 x 60 x 205 cm cartons

Pipe diameter					Wall thickness E = 9 mm					Wall thickness J = 13 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	12,0	½	6	10,2						3000-013012-020	J-12		260	C
10	15,0	¼	8	13,5	3000-009015-020	E-15		348	C	3000-013015-020	J-15		240	B
15	18,0	⅜	10	17,2	3000-009018-020	E-18		288	A	3000-013018-020	J-18		200	A
20	22,0	½	15	21,3	3000-009022-020	E-22		248	A	3000-013022-020	J-22		172	A
25	28,0	¾	20	26,9	3000-009028-020	E-28		188	A	3000-013028-020	J-28		134	A
32	35,0	1	25	33,7	3000-009035-020	E-35		140	A	3000-013035-020	J-35		108	A
40	42,0	1 ¼	32	42,4	3000-009042-020	E-42		110	A	3000-013042-020	J-42		90	B
	48,0	1 ½	40	48,3	3000-009048-020	E-48		84	C	3000-013048-020	J-48		70	B
50	54,0			54,0	3000-009054-020	E-54		76	B	3000-013054-020	J-54		64	A
50	57,0			57,0	3000-009057-020	E-57		76	C	3000-013057-020	J-57		58	C
		2	50	60,0	3000-009060-020	E-60		70	B	3000-013060-020	J-60		58	A
	64,0			63,5	3000-009063-020	E-63		68	C	3000-013063-020	J-63		52	B
	70,0	2 ¼		70,0						3000-013070-020	J-70		44	B
65	76,1	2 ½	65	76,1	3000-009076-020	E-76		46	B	3000-013076-020	J-76		40	A
80	88,9	3	80	88,9						3000-013089-020	J-89		32	A
		3 ½		101,6						3000-013102-020	J-102		26	C
100	108,0	3 ¾	100	108,0						3000-013108-020	J-108		24	B
100	114,0	4	100	114,3						3000-013114-020	J-114		22	A

Pipe diameter					Wall thickness N = 20 mm					Wall thickness P = 25 mm					Wall thickness S = 30 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)															
10	15,0	¼	8	13,5	3000-020015-020	N-15		130	B	3000-025015-020	P-15		90	B					
15	18,0	⅜	10	17,2	3000-020018-020	N-18		118	A	3000-025018-020	P-18		90	C					
20	22,0	½	15	21,3	3000-020022-020	N-22		100	A	3000-025022-020	P-22		72	B	3000-030022-020	S-22		60	B
25	28,0	¾	20	26,9	3000-020028-020	N-28		90	A	3000-025028-020	P-28		66	C	3000-030028-020	S-28		58	B
32	35,0	1	25	33,7	3000-020035-020	N-35		66	A	3000-025035-020	P-35		54	C	3000-030035-020	S-35		46	A
40	42,0	1 ¼	32	42,4	3000-020042-020	N-42		62	A	3000-025042-020	P-42		46	B	3000-030042-020	S-42		40	A
	48,0	1 ½	40	48,3	3000-020048-020	N-48		48	B	3000-025048-020	P-48		42	C	3000-030048-020	S-48		34	C
50	54,0			54,0	3000-020054-020	N-54		46	B	3000-025054-020	P-54		38	C	3000-030054-020	S-54		28	A
50	57,0			57,0	3000-020057-020	N-57		40	C	3000-025057-020	P-57		36	C					
		2	50	60,0	3000-020060-020	N-60		40	B	3000-025060-020	P-60		34	C	3000-030060-020	S-60		26	B
	64,0			63,5	3000-020063-020	N-63		40	C	3000-025063-020	P-63		32	B	3000-030063-020	S-63		24	B
	70,0	2 ¼		70,0	3000-020070-020	N-70		34	C	3000-025070-020	P-70		28	C					
65	76,1	2 ½	65	76,1	3000-020076-020	N-76		28	B	3000-025076-020	P-76		26	B	3000-030076-020	S-76		20	A
80	88,9	3	80	88,9	3000-020089-020	N-89		24	B	3000-025089-020	P-89		20	C	3000-030089-020	S-89		18	B
		3 ½		101,6	3000-020102-020	N-102		20	C	3000-025102-020	P-102		18	C					
100	108,0	3 ¾	100	108,0	3000-020108-020	N-108		18	C	3000-025108-020	P-108		16	C					
100	114,0	4	100	114,3	3000-020114-020	N-114		18	B	3000-025114-020	P-114		14	B	3000-030114-020	S-114		10	C

Definition of availability - see page 4



ThermaSmart® PRO - self-adhesive tubes

Tubes with a slit on both edges with glue. For sanitary and heating application

Pipe diameter					Wall thickness E = 9 mm					Wall thickness J = 13 mm					Wall thickness N = 20 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)															
10	12,0	½	6	10,2	3000-009012-010	E-12		360	C	3000-013012-010	J-12		260	C					
10	15,0	¼	8	13,5	3000-009015-010	E-15		348	C	3000-013015-010	J-15		240	C	3000-020015-010	N-15		130	C
15	18,0	¾	10	17,2	3000-009018-010	E-18		288	C	3000-013018-010	J-18		200	C	3000-020018-010	N-18		118	C
20	22,0	½	15	21,3	3000-009022-010	E-22		248	C	3000-013022-010	J-22		172	C	3000-020022-010	N-22		100	C
25	28,0	¾	20	26,9	3000-009028-010	E-28		188	C	3000-013028-010	J-28		134	C	3000-020028-010	N-28		90	C
32	35,0	1	25	33,7	3000-009035-010	E-35		140	C	3000-013035-010	J-35		108	C	3000-020035-010	N-35		66	C
40	42,0	1 ¼	32	42,4	3000-009042-010	E-42		110	C	3000-013042-010	J-42		90	C	3000-020042-010	N-42		62	C
	48,0	1 ½	40	48,3	3000-009048-010	E-48		84	C	3000-013048-010	J-48		70	C	3000-020048-010	N-48		48	C
50	54,0			54,0	3000-009054-010	E-54		76	C	3000-013054-010	J-54		64	C	3000-020054-010	N-54		46	C
50	57,0			57,0						3000-013057-010	J-57		58	C					
		2	50	60,0						3000-013060-010	J-60		58	C	3000-020060-010	N-60		40	C

packed into 40 x 60 x 205 cm cartons

ThermaSmart® PRO - tubes (products dedicated for protection of PP an PP-R pipes)

Tubes of high quality polyolefin foam, grey



packed into 40 x 60x 205 cm cartons

Pipe diameter		Wall thickness E = 9 mm					Wall thickness J = 13 mm				
Nominal dimension Dn/OD	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	
16	3000-009015-020	E-15-16		348	A	3000-013015-020	J-15-16		240	A	
20	3000-009020-020	E-20		248	C	3000-013020-020	J-20		180	C	
25	3000-009025-020	E-25-27		200	C	3000-013025-020	J-25-27		152	A	
32	3000-009032-020	E-32		140	C	3000-013032-020	J-32		116	C	
40	3000-009040-020	E-40		110	C	3000-013040-020	J-40		94	A	
50	3000-009050-020	E-50-51		80	C	3000-013050-020	J-50-51		70	C	
63	3000-009063-020	E-63-64		68	C	3000-013063-020	J-63-64		52	A	
75	3000-009076-020	E-75-76		46	B	3000-013076-020	J-75-76		40	A	
90						3000-013089-020	J-89-90		32	A	
110						3000-013108-020	J-108-110		24	A	

Pipe diameter		Wall thickness N = 20 mm					Wall thickness P = 25 mm					Wall thickness S = 30 mm				
Nominal dimension Dn/OD	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	
16	3000-020015-020	N-15-16		130	B	3000-025015-020	P-15-16		90	A	3000-030015-020	S-15-16		70	C	
20	3000-020020-020	N-20		108	C	3000-025020-020	P-20		76	C	3000-030020-020	S-20*		62	C	
25	3000-020025-020	N-25-27		94	A	3000-025025-020	P-25-27		70	A	3000-030025-020	S-25-27*		58	A	
32	3000-020032-020	N-32		68	C	3000-025032-020	P-32		56	C	3000-030032-020	S-32		46	A	
40	3000-020040-020	N-40		64	A	3000-025040-020	P-40		48	A	3000-030040-020	S-40		42	A	
50	3000-020050-020	N-50-51		48	C	3000-025050-020	P-50-51		40	A	3000-030050-020	S-50*		34	A	
63	3000-020063-020	N-63-64		40	B	3000-025063-020	P-63-64		32	A	3000-030063-020	S-63-64		24	A	
75	3000-020076-020	N-75-76		28	B	3000-025076-020	P-75-76		26	A	3000-030076-020	S-75-76		20	B	
90	3000-020089-020	N-89-90		24	A	3000-025089-020	P-89-90		20	A	3000-030089-020	S-89-90		18	B	
110	3000-020108-020	N-108-110		18	B	3000-025108-020	P-108-110		16	C	3000-030108-020	S-108-110		12	C	

Definition of availability - see page 4

*product for individual orders

ThermaSmart® PRO - tubes without an incision

Tubes of high quality polyolefin foam, grey. Without an incision. For refrigeration application



packed into 40 x 60x 205 cm cartons

Pipe diameter					Wall thickness E = 9 mm					Wall thickness J = 13 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	12,0	½	6	10,2						3000-013012-000	J-12		260	B
10	15,0	¼	8	13,5	3000-009015-000	E-15		348	C	3000-013015-000	J-15		240	A
15	18,0	⅜	10	17,2	3000-009018-000	E-18		288	C	3000-013018-000	J-18		200	A
20	22,0	½	15	21,3	3000-009022-000	E-22		248	A	3000-013022-000	J-22		172	A
25	28,0	¾	20	26,9	3000-009028-000	E-28		188	B	3000-013028-000	J-28		134	A
32	35,0	1	25	33,7	3000-009035-000	E-35		140	A	3000-013035-000	J-35		108	A
40	42,0	1 ¼	32	42,4	3000-009042-000	E-42		110	B	3000-013042-000	J-42		90	B
	48,0	1 ½	40	48,3	3000-009048-000	E-48		84	B	3000-013048-000	J-48		70	B
50	54,0			54,0	3000-009054-000	E-54		76	C	3000-013054-000	J-54		64	A
50	57,0			57,0	3000-009057-000	E-57		76	C	3000-013057-000	J-57		58	C
		2	50	60,0	3000-009060-000	E-60		70	B	3000-013060-000	J-60		58	A
	64,0			63,5	3000-009063-000	E-63		68	C	3000-013063-000	J-63		52	B
	70,0	2 ¼		70,0						3000-013070-000	J-70		44	B
65	76,1	2 ½	65	76,1	3000-009076-000	E-76		46	B	3000-013076-000	J-76		40	A
80	88,9	3	80	88,9						3000-013089-000	J-89		32	A
		3 ½		101,6						3000-013102-000	J-102		26	B
100	108,0	3 ¾	100	108,0						3000-013108-000	J-108		24	A
100	114,0	4	100	114,3						3000-013114-000	J-114		22	A

Pipe diameter					Wall thickness N = 19 mm					Wall thickness P = 25 mm					Wall thickness S = 30 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)															
10	15,0	¼	8	13,5	3000-019015-000	N-15		130	A	3000-025015-000	P-15		90	A					
15	18,0	⅜	10	17,2	3000-019018-000	N-18		118	A	3000-025018-000	P-18		90	B					
20	22,0	½	15	21,3	3000-019022-000	N-22		100	A	3000-025022-000	P-22		72	A	3000-030022-000	S-22		60	C
25	28,0	¾	20	26,9	3000-019028-000	N-28		90	A	3000-025028-000	P-28		66	A	3000-030028-000	S-28		58	C
32	35,0	1	25	33,7	3000-019035-000	N-35		66	A	3000-025035-000	P-35		54	A	3000-030035-000	S-35		46	C
40	42,0	1 ¼	32	42,4	3000-019042-000	N-42		62	A	3000-025042-000	P-42		46	A	3000-030042-000	S-42		40	C
	48,0	1 ½	40	48,3	3000-019048-000	N-48		48	A	3000-025048-000	P-48		42	A	3000-030048-000	S-48		34	C
50	54,0			54,0	3000-019054-000	N-54		46	A	3000-025054-000	P-54		38	A	3000-030054-000	S-54		28	C
50	57,0			57,0	3000-019057-000	N-57		40	C	3000-025057-000	P-57		36	C					
		2	50	60,0	3000-019060-000	N-60		40	B	3000-025060-000	P-60		34	A	3000-030060-000	S-60		26	C
	64,0			63,5	3000-019063-000	N-63		40	C	3000-025063-000	P-63		32	A	3000-030063-000	S-63		24	C
	70,0			70,0	3000-019070-000	N-70		34	C	3000-025070-000	P-70		28	B					
65	76,1	2 ¼	65	76,1	3000-019076-000	N-76		28	B	3000-025076-000	P-76		26	A	3000-030076-000	S-76		20	B
80	88,9	2 ½	80	88,9	3000-019089-000	N-89		24	A	3000-025089-000	P-89		20	A	3000-030089-000	S-89		18	B
		3		101,6	3000-019102-000	N-102		20	B	3000-025102-000	P-102		18	B					
100	108,0	3 ½	100	108,0	3000-019108-000	N-108		18	C	3000-025108-000	P-108		16	B					
100	114,0	3 ¾	100	114,3	3000-019114-000	N-114		18	A	3000-025114-000	P-114		14	A	3000-030114-000	S-114		10	B

Definition of availability - see page 4

ThermaSmart® PRO - sheets

Insulating sheets of high quality polyolefin foam; grey; in rolls. Roll width: 100 cm



ThermaSmart PRO – sheets in long rolls

Product code	Thickness	Price/m ²	m ² /roll	Availability
3200-010100-004	10 mm		104	B
3200-013100-004	13 mm		78	B
3200-019100-004	19 mm		52	B
3200-025100-004	25 mm		39	B



ThermaSmart PRO – sheets in short rolls

Product code	Thickness	Price/m ²	m ² /roll	Availability
3200-010100-204	10 mm		10	B
3200-013100-204	13 mm		8	B
3200-019100-204	19 mm		6	B
3200-025100-204	25 mm		4	B

ThermaSmart® PRO SA - self-adhesive sheets

Self-adhesive insulating sheets of high quality polyolefin foam; grey; in rolls. Roll width: 100 cm



ThermaSmart PRO SA – sheets in long rolls

Product code	Thickness	Price/m ²	m ² /roll	Availability
3200-010100-104	10	on request	104	on request
3200-013100-104	13	on request	78	on request
3200-019100-104	19	on request	52	on request
3200-025100-104	25	on request	39	on request



ThermaSmart PRO SA – sheets in short rolls

Product code	Thickness	Price/m ²	m ² /roll	Availability
3200-010100-304	10	on request	10	on request
3200-013100-304	13	on request	8	on request
3200-019100-304	19	on request	6	on request
3200-025100-304	25	on request	4	on request

ThermaSmart® PRO - mounting accessories

Accessories						
Product	Product code	Product description	Minimum order	Pcs/pack.	Unit price	Availability
	3702-050015-100	ThermaTape TS PRO 2mm x 50mm x 15m	piece	10		A
	3700-000250-000	Thermaglu glue (0,25 L)	piece	24		A
	3700-001000-000	Thermaglu glue (1 L)	piece	12		A
	3700-020000-000	Thermaglu glue 20 L (16,8 kg)	piece	1		A
	3702-001000-110	White waterproof UV paint (1L)	box	12		B
	3799-001000-000	Solvent (1 L)	box	12		B
	3801-000000-000	Glue pump	piece	1		A
	3801-000011-110	Glue brush 11 mm	piece	1		A
	3801-000017-120	Glue brush 17 mm	piece	1		A
	3800-000000-500	Metri box - inner width: 12 cm	piece	1		A
	3800-000000-000	Tool set	piece	1		A
	3802-000250-100	Knife	piece	1		A

Definition of availability - see page 4

ThermaEco

Fully recyclable complete thermal insulation solution made of direct extruded, closed-cell high quality polyethylene foam



Benefits

- Universal in application
- Wide product range and prefabrication
- Consistent performance - Damage free, robust insulation material
- Quick and easy assembly

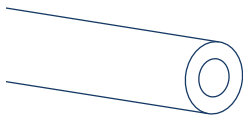
Applications

- Domestic heating and plumbing – energy conservation (central heating, hot and cold water) ventilation ducts

Types of products

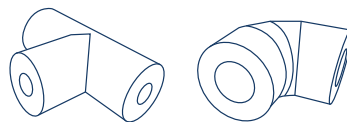
ThermaEco FRZ - Tube

Insulation tube made of high quality polyethylene foam, with longitudinal cut



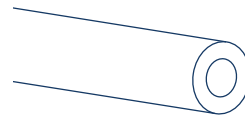
ThermaEco FRZ - Prefabricated parts

Ready fittings for professional and quick assembly



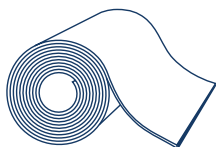
ThermaEco ZZ - Tube

Insulation tube made of polyethylene foam, with longitudinal cut



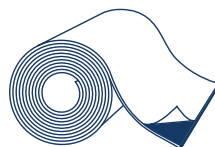
ThermaEco FRZ – standard sheet

Standard insulation sheet of cross-linked PE foam, in rolls



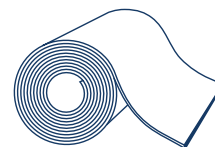
ThermaEco FRZ – SA sheet

Self-adhesive insulation sheet, for quick assembly, in rolls



ThermaEco FRZ – sheet with aluminum or EPDM coating

Insulation sheet with additional aluminum or EPDM coating, in rolls



Technical Properties

Properties	Units SI	Values	Testing method
Physical properties			
Dimensional tolerances	-	Coherent	EN 14313
Density	kg/m ³	18-36	-
Structure	-	Fine, closed-cells	-
Color	-	grey	-
Thermal properties			
Maximum service temperature	°C	+95 (tubes) +85 (sheets)	EN 14707
Thermal conductivity (λ)	W/m·K	0.040 at 40°C (ThermaEco FRZ – tubes) 0.042 at 40°C (ThermaEco ZZ)	EN ISO 8497
Fire properties			
SBI classification	-	E _L F (sheets)	EN 13501-1
Water resistance properties			
Water absorption	kg/m ²	0.05	EN 13472

Current authorizations, approvals, test results, technical test reports are available at www.thermaflex.com



ThermaEco FRZ - tubes

Standard tubes made of high quality PE foam with longitudinal notch; in gray

Pipe diameter					Wall thickness C = 6 mm					Wall thickness E = 9 mm				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	12,0	1/8	6	10,2						3026-009012-020	E-12*		360	C
10	15,0	1/4	8	13,5	3026-006015-020	C-15		440	A	3026-009015-020	E-15		348	A
15	18,0	3/8	10	17,2	3026-006018-020	C-18		360	A	3026-009018-020	E-18		288	A
20	22,0	1/2	15	21,3	3026-006022-020	C-22		300	A	3026-009022-020	E-22		248	A
25	28,0	3/4	20	26,9	3026-006028-020	C-28		220	A	3026-009028-020	E-28		188	A
32	35,0	1	25	33,7	3026-006035-020	C-35		160	A	3026-009035-020	E-35		140	A
40	42,0	1 1/4	32	42,4						3026-009042-020	E-42		110	A
	48,0	1 1/2	40	48,3						3026-009048-020	E-48		84	A
50	54,0			54,0						3026-009054-020	E-54		76	A
50	57,0			57,0						3026-009057-020	E-57		76	B
		2	50	60,0						3026-009060-020	E-60		70	A
	64,0			63,5						3026-009063-020	E-63		68	A
	70,0	2 1/4		70,0										
65	76,1	2 1/2	65	76,1						3026-009076-020	E-76		46	A

* Minimum order 16 cartons

Pipe diameter					Wall thickness J = 13 mm					Wall thickness N = 20 mm				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	12,0	1/8	6	10,2	3026-013012-020	J-12*		240	C					
10	15,0	1/4	8	13,5	3026-013015-020	J-15		240	B	3026-020015-020	N-15		130	A
15	18,0	3/8	10	17,2	3026-013018-020	J-18		200	A	3026-020018-020	N-18		118	A
20	22,0	1/2	15	21,3	3026-013022-020	J-22		172	A	3026-020022-020	N-22		100	A
25	28,0	3/4	20	26,9	3026-013028-020	J-28		134	A	3026-020028-020	N-28		90	A
32	35,0	1	25	33,7	3026-013035-020	J-35		108	A	3026-020035-020	N-35		66	A
40	42,0	1 1/4	32	42,4	3026-013042-020	J-42		90	A	3026-020042-020	N-42		62	A
	48,0	1 1/2	40	48,3	3026-013048-020	J-48		70	A	3026-020048-020	N-48		48	A
50	54,0			54,0	3026-013054-020	J-54		64	A	3026-020054-020	N-54		46	A
50	57,0			57,0	3026-013057-020	J-57		58	C	3026-020057-020	N-57		40	B
		2	50	60,0	3026-013060-020	J-60		58	A	3026-020060-020	N-60		40	A
	64,0			63,5	3026-013063-020	J-63		52	A	3026-020063-020	N-63		40	A
	70,0	2 1/4		70,0	3026-013070-020	J-70		44	C	3026-020070-020	N-70		34	B
65	76,1	2 1/2	65	76,1	3026-013076-020	J-76		40	A	3026-020076-020	N-76		28	A
80	88,9	3	80	88,9	3026-013089-020	J-89		32	A	3026-020089-020	N-89		24	A
		3 1/2		101,6	3026-013102-020	J-102		26	B	3026-020102-020	N-102		20	C
100	108,0	3 3/4	100	108,0	3026-013108-020	J-108		24	A	3026-020108-020	N-108		18	A
100	114,0	4	100	114,3	3026-013114-020	J-114		22	A	3026-020114-020	N-114		18	A

* Minimum order 16 cartons

Packed into 40 x 60 x 205 cm cartons

Definition of availability - see page 4



ThermaEco FRZ - tubes

Standard tubes made of high-quality PE foam with longitudinal notch; in gray

Pipe diameter					Wall thickness P = 25 mm					Wall thickness S = 30 mm				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	15,0	1/4	8	13,5	3026-027015-020	P-15		90	C					
15	18,0	3/8	10	17,2	3026-025018-020	P-18		90	B					
20	22,0	1/2	15	21,3	3026-025022-020	P-22		72	B	3026-030022-020	S-22		60	B
25	28,0	3/4	20	26,9	3026-025028-020	P-28		66	A	3026-030028-020	S-28		58	A
32	35,0	1	25	33,7	3026-025035-020	P-35		54	A	3026-030035-020	S-35		46	A
40	42,0	1 1/4	32	42,4	3026-025042-020	P-42		46	A	3026-030042-020	S-42		40	A
	48,0	1 1/2	40	48,3	3026-025048-020	P-48		42	B	3026-030048-020	S-48		34	A
50	54,0			54,0	3026-025054-020	P-54		38	A	3026-030054-020	S-54		28	A
50	57,0			57,0	3026-025057-020	P-57		36	C					
		2	50	60,0	3026-025060-020	P-60		34	A	3026-030060-020	S-60		26	A
	64,0			63,5	3026-025063-020	P-63		32	B	3026-030063-020	S-63		24	A
	70,0	2 1/4		70,0	3026-025070-020	P-70		28	C					
65	76,1	2 1/2	65	76,1	3026-025076-020	P-76		26	B	3026-030076-020	S-76		20	A
80	88,9	3	80	88,9	3026-025089-020	P-89		20	B	3026-030089-020	S-89		18	A
		3 1/2		101,6	3026-025102-020	P-102		18	C					
100	108,0	3 3/4	100	108,0	3026-025108-020	P-108		16	B					
100	114,0	4	100	114,3	3026-025114-020	P-114		14	B	3026-030114-020	S-114		10	A

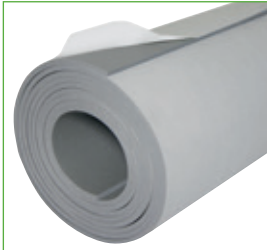
Packed into 40 x 60 x 205 cm cartons

ThermaEco FRZ - sheets

Thermal insulation sheet made of PE foam, gray, roll width: 100cm

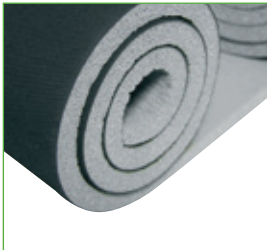


ThermaEco FRZ™ – standard sheets				
Product code	Thickness	Price/m ²	m ² /roll	Availability
3299-005100-000	5 mm	6,30	200	A
3299-010100-000	10 mm		70	A
3299-013100-000	13 mm		60	A
3299-020100-000	20 mm		35	A
3299-025100-000	25 mm		30	A
3299-030100-000	30 mm		25	A



ThermaEco FRZ™ – self-adhesive sheet				
Product code	Thickness	Price/m ²	m ² /roll	Availability
3299-005100-100	5 mm SA		200	B
3299-010100-100	10 mm SA		70	B
3299-013100-100	13 mm SA		60	B
3299-020100-100	20 mm SA		35	B
3299-025100-100	25 mm SA		30	B
3299-030100-100	30 mm SA		25	B

FRZ sheet laminated with EPDM synthetic rubber coating, ensuring high resistance



ThermaEco FRZ™ – UV sheets				
Product code	Thickness	Price/m ²	m ² /roll	Availability
3299-010096-030	10 mm	on request	33,6	C
3299-013096-030	13 mm	on request	28,8	C
3299-020096-030	20 mm	on request	16,8	C
3299-025096-030	25 mm	on request	14,4	C

ThermaEco - mounting accessories

Accessories						
Product	Product code	Product description	Minimum order	Pcs/pack.	Unit price	Availability
	3701-050015-000	Thermatape FR tape, 3mm x 50mm x 15m	piece	48		A
	3701-050045-300	Aluminum Tape, 0,1mm x 50mm x 45m	piece	24		A
	3701-048050-200	Duct Tape, grey, 48 mm x 50 m	piece	24		A
	3701-048009-200	Duct Tape, grey, 48 mm x 9 m	piece	54		A
	3709-100015-200	UV strap 100 mm x 15 m	piece	1		C
	3709-050015-200	UV strap 50 mm x 15 m	piece	1		C
	3700-000250-000	Thermaglu (0,25 L)	piece	24		A
	3700-001000-000	Thermaglu (1 L)	piece	12		A
	3700-020000-000	Thermaglu 20 L (16,8 kg)	piece	1		A
	3702-001000-110	White waterproof UV paint (1 L)	box	12		B
	3799-001000-000	Solvent (1 L)	box	12		B
	3801-000000-000	Glue pump	piece	1		A
	3801-000011-110	Glue brush 11 mm	piece	1		A
	3801-000017-120	Glue brush 17 mm	piece	1		A
	3703-000000-200	Thermaclips – assembly clips	box	250		A
	3800-000000-500	Metri box – inner width of the device: 12 cm	piece	1		A
	3800-000000-000	Tool set (steel, dies, meter, clips, template, glue, brush, knife, large knife, cap, installation instructions, DuctTape - grey, DuctTape - red)	piece	1		A
	3802-000250-100	Knife	piece	1		A

Definition of availability - see page 4

ThermaCompact

Fully recyclable thermal tube insulation product made of direct extruded, closed-cell high quality polyethylene foam with strong protective polymer coating



Benefits

- Consistent performance – strong protective polymer coating and robust insulation material
- Easy and quick assembly
- Easy cleaning due to smooth skin

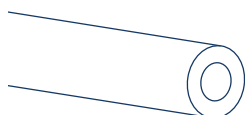
Applications

- Domestic heating and plumbing – energy conservation in walls and floor spaces

Types of products

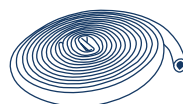
ThermaCompact IS - tube

Insulation tube made of high quality polyethylene foam laminated with PE foil in red and blue



ThermaCompact IS10 - tube in coils

Insulation tube made of high quality polyethylene foam laminated with PE foil in red and blue. In rolls of 10 meters



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	-	Foam: grey Skin: red/blue	-
Thermal properties			
Maximum service temperature	°C	+95	EN 14707
Thermal conductivity (λ)	W/m·K	0.040 at 40°C	EN 13787
Fire properties			
SBI classification	-	E _L	EN 13501-1
Water resistance properties			
Water absorption	kg/m ²	0.05	EN 13472

Current authorizations, approvals, test results, technical test reports are available at www.thermaflex.com



ThermoCompact IS

Tubes laminated with PE foil in red and blue

Pipe diameter					Wall thickness C = 6 mm					Wall thickness C = 6 mm (blue)				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	15,0	¼	8	13,5	3030-006015-400	C-15		240	A	3030-006015-401	C-15		240	B
15	18,0	⅜	10	17,2	3030-006018-400	C-18		200	A	3030-006018-401	C-18		200	A
20	22,0	½	15	21,3	3030-006022-400	C-22		160	A	3030-006022-401	C-22		160	A
25	28,0	¾	20	26,9	3030-006028-400	C-28		108	A	3030-006028-401	C-28		108	A
32	35,0	1	25	33,7	3030-006035-400	C-35		88	A	3030-006035-401	C-35		88	B

Pipe diameter					Wall thickness E = 9 mm					Wall thickness E = 9 mm (blue)				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	15,0	¼	8	13,5	3030-009015-400	E-15		148	A	3030-009015-401	E-15		148	B
15	18,0	⅜	10	17,2	3030-009018-400	E-18		128	A	3030-009018-401	E-18		128	A
20	22,0	½	15	21,3	3030-009022-400	E-22		112	A	3030-009022-401	E-22		112	A
25	28,0	¾	20	26,9	3030-009028-400	E-28		88	A	3030-009028-401	E-28		88	A
32	35,0	1	25	33,7	3030-009035-400	E-35		70	A	3030-009035-401	E-35		70	B
40	42,0	1 ¼	32	42,4	3030-009042-400	E-42		52	A	3030-009042-401	E-42		52	B

Pipe diameter					Wall thickness J = 13 mm					Wall thickness N = 20 mm				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	15,0	¼	8	13,5	3030-013015-400	J-15		108	C					
15	18,0	⅜	10	17,2	3030-013018-400	J-18		100	A	3030-020018-400	N-18		54	A
20	22,0	½	15	21,3	3030-013022-400	J-22		88	A	3030-020022-400	N-22		52	B
25	28,0	¾	20	26,9	3030-013028-400	J-28		64	A	3030-020028-400	N-28		40	B
32	35,0	1	25	33,7	3030-013035-400	J-35		50	B	3030-020035-400	N-35		38	B
40	42,0	1 ¼	32	42,4	3030-013042-400	J-42		42	B	3030-020042-400	N-42		30	B

Pipe diameter					Wall thickness P = 25 mm				
Cu			Fe		Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)					
10	15,0	¼	8	13,5	3030-025015-400	P-15		40	C
15	18,0	⅜	10	17,2	3030-025018-400	P-18		40	B
20	22,0	½	15	21,3	3030-025022-400	P-22		36	B
25	28,0	¾	20	26,9	3030-025028-400	P-28		30	B
32	35,0	1	25	33,7	3030-025035-400	P-35		24	C
40	42,0	1 ¼	32	42,4	3030-025042-400	P-42		24	C

Packed into 30 x 40 x 205 cm cartons

ThermaCompact IS10

Tubes laminated with PE foil in red or blue (in coils of 10 meters)



Packed into 40 x 60 x 105 cm cartons

Pipe diameter					Wall thickness C = 6 mm (red)					Wall thickness C = 6 mm (blue)				
Cu		Fe			Product code	Description	Price/rm	Rm/cart.	Availability	Product code	Description	Price/rm	Rm/cart.	Availability
DN	outer (mm)	inch	DN	outer (mm)										
10	15,0	¼	8	13,5	3130-006015-200	C-15		370	A	3130-006015-201	C-15		370	A
15	18,0	¾	10	17,2	3130-006018-200	C-18		330	A	3130-006018-201	C-18		330	A
20	22,0	½	15	21,3	3130-006022-200	C-22		280	A	3130-006022-201	C-22		280	A
25	28,0	¾	20	26,9	3130-006028-200	C-28		250	A	3130-006028-201	C-28		250	A
32	35,0	1	25	33,7	3130-006035-200	C-35		190	A	3130-006035-201	C-35		190	A

ThermaCompact - mounting accessories

Accessories						
Product	Product code	Product description	Minimum order	Pcs/pack.	Unit price	Availability
	3701-048050-210	Duct Tape, red, 48 mm x 50 m	piece	24		A
	3700-000250-000	Thermaglu (0,25 L)	piece	24		A
	3700-001000-000	Thermaglu (1 L)	piece	12		A
	3700-020000-000	Thermaglu 20 L (16,8 kg)	piece	1		A
	3799-001000-000	Solvent (1 L)	box	12		B
	3801-000000-000	Glue pump	piece	1		A
	3801-000011-110	Glue brush 11 mm	piece	1		A
	3801-000017-120	Glue brush 17 mm	piece	1		A
	3800-000000-500	Metri box - inner diameter - 12 cm	piece	1		A
	3800-000000-000	Tool set (steel, dies, meter, clips, template, glue, brush, small knife, large knife, cap, installation instructions, DuctTape – grey, DuctTape – red)	piece	1		A
	3802-000250-100	Knife	piece	1		A

Definition of availability - see page 4