



The Perfect Insulation for Outdoor Installation with High Temperature Fluid

- ◆ INDUSTRIAL PLANTS
- ◆ HEATING PLANTS
- ◆ SOLAR ENERGY PANELS
- ◆ Service temperature up to 180°C
- ◆ Weather, UV-Ray and Ozone resistance



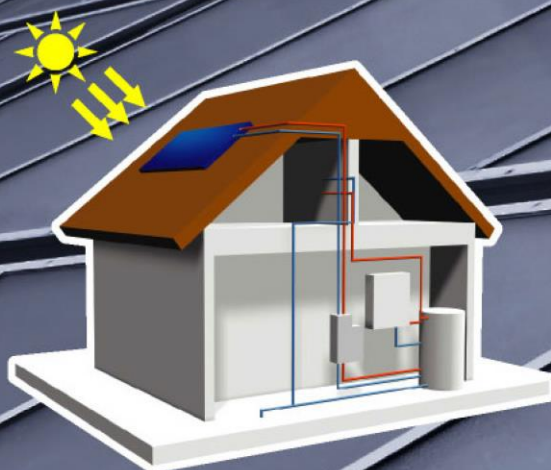
ELASTOMERIC
thermal insulation

MAXFLEX HT SPECIFICATIONS

PHYSICAL PROPERTIES*	MAXFLEX HT					TEST METHOD*	INSTITUTE
Material	EPDM blend with additive						
Cell Structure	Complete closed cell					-	
Density lbs / ft³ (g/cm³)	3 ~ 5 (0.048 ~ 0.080) **					ASTM D 1667	PSB corp.
Thermal Conductivity BTU.in/ft² hr. °F (W / mK)	-4°F (-20 °C)	32 °F (0 °C)	75 °F (24 °C)	90 °F (32 °C)	104 °F (40 °C)	ASTM C177 JIS A 1412 DIN 52613	FIW Munchen
	0.22 0.031	0.23 0.033	0.25 0.036	0.26 0.037	0.27 0.038		
Service Temperature	up to 150 °C operating continuous					MAXFLEX becomes hard at -57 °C but can be used even at -200 °C	
	up to 180 °C operating intermitant						
Water Vapor Permeability (kg/Pa.s.m)	0.10 perm-in (0.15 x 10 ⁻¹²)					ASTM C 355 ASTM E96	PSB corp.
Moisture Resistance (μ Value)	μ not less than 10,000					DIN 52615	PSB corp.
Water Absorption (weight %)	not more than 3%					ASTM D 1056	PSB corp.
Ozone Resistance	Non crack					ASTM D 1171	PSB corp.
Ageing Resistance at 160°C, 150 hrs.	Non crack					ASTM C 537	Cerisie, Italy
Ultra-Violet Resistance	Non crack					ISO 4892-2	Cerisie, Italy
Heat Stability (% shrinkage) at 200 °F and 220 °F for 7 days	3.5 and 4.5 respectively					ASTM C 534	PSB corp.
Flammability	Class VO					UL - 94	PSB corp.
	Self-extinguishing					ASTM D635	PSB corp.
	Class 1					BS 476 Part 7-1987	PSB corp.
	Class 0					BS 476 Part 6-1987	PSB corp.
	Class M1					AFNOR NF P92 501	CREPIM
Nitrosamine Contents	No detected					BS EN 12868	PSB corp.
Fungus Resistance	Passed					ASTM G21	PSB corp.
Noise Reduction	36.3 db					DIN 52219	IBP, German
Flexibility	Excellent						

NOTE: * Figures show the average values obtained by the world well-known testing institutes.

** Average density of insulation thickness over 20 mm.

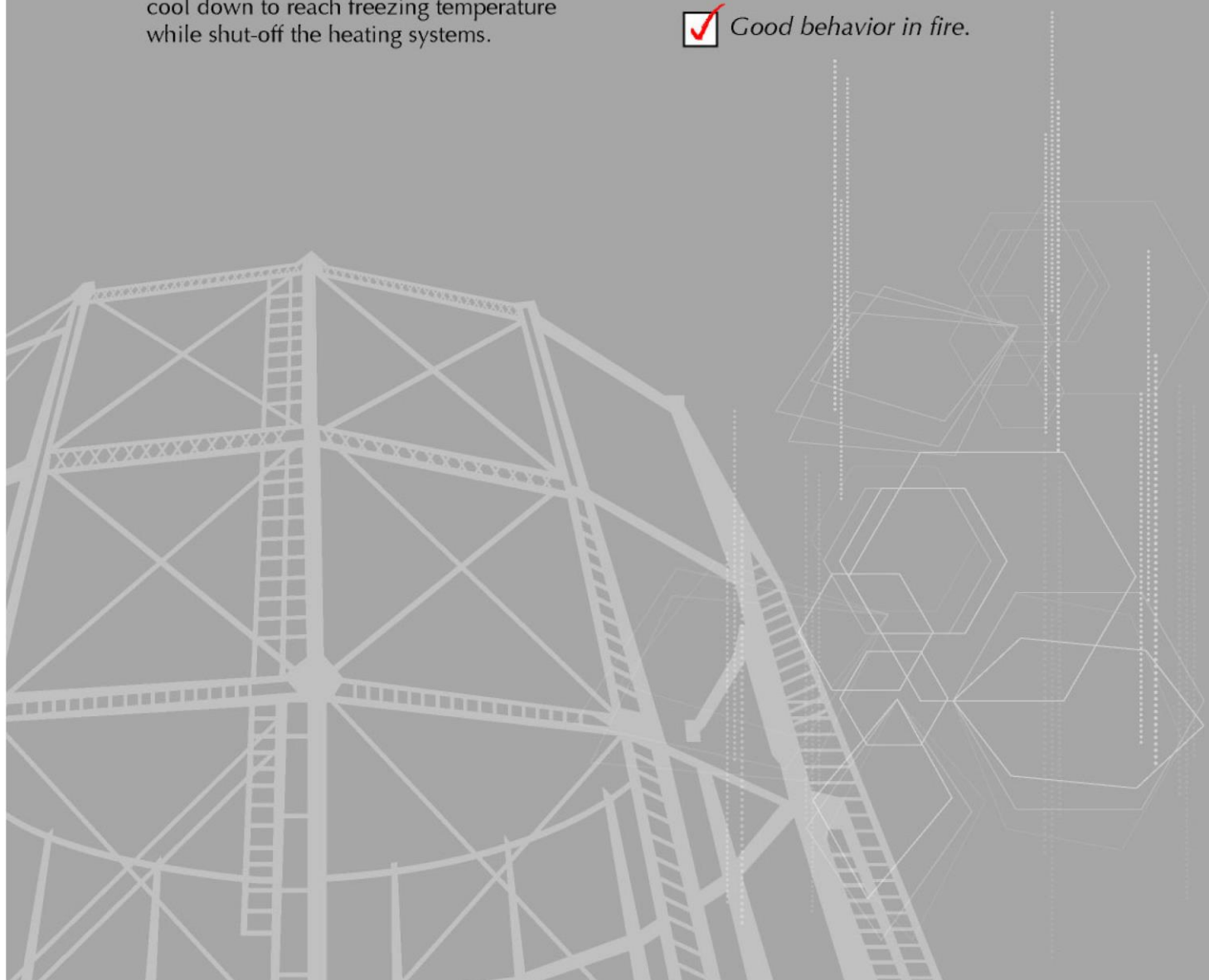


MAXFLEX HT

Made from light weight elastomeric material with a large number of fine cross-linked closed cells' molecular structure, MAXFLEX HT is very effective in reducing heat loss from indoor and outdoor hot water piping systems. Due to its outstanding ozone/UV and weather resistance property, it proves to be the best insulation for outdoor pipe line of the solar energy heating system.

MAXFLEX HT contains no asbestos, no dust and fibre free. So, it is safe when being installed in places where hygiene is vital. This is one among many reasons why this product is widely selected and accepted as a replacement for the fibrous insulation materials of hot water piping systems in hotels, hospitals, residential and industrial applications. It is also highly efficient in safe guarding against frost formation inside the water pipes as the insulation dramatically delays the time water cool down to reach freezing temperature while shut-off the heating systems.

- ✓ *High service temperature range up to 180°C.*
- ✓ *Long years service of stable and low thermal conductivity value (K-Value).*
- ✓ *Excellent moisture and vapor resistance due to its dense surface skin and the closed cell structure.*
- ✓ *Outstanding ozone/UV and weather resistance.*
- ✓ *Flexibility, easy installation. Do not need any jacketing or protection even being used to insulate the outdoor piping.*
- ✓ *Good behavior in fire.*



MAXFLEX HT Insulation Tube : 2 Meter Length / Piece

ID of MAXFLEX HT Tube		Pipe Size			Code number (Quantity : Meters / carton)				
mm.	Inch	Copper Tube (mm.)	Iron Pipe (mm.)	PVC Pipe (mm.)	6 mm. Wall (1/4" wall)	9 mm. Wall (3/8" wall)	13 mm. Wall (1/2" wall)	19 mm. Wall (3/4" wall)	25 mm. Wall (1" wall)
6	1/4"	6	-	-	MF 06 x 06 HT (496)	MF 09 x 06 HT (352)	MF 13 x 06 HT (200)	-	-
9	3/8"	9	-	-	MF 06 x 09 HT (364)	MF 09 x 09 HT (266)	MF 13 x 09 HT (172)	MF 19 x 09 HT (98)	-
13	1/2"	13	6	6	MF 06 x 13 HT (316)	MF 09 x 13 HT (234)	MF 13 x 13 HT (162)	MF 19 x 13 HT (88)	M
16	5/8"	16	9	9	MF 06 x 16 HT (266)	MF 09 x 16 HT (192)	MF 13 x 16 HT (136)	MF 19 x 16 HT (78)	M
19	3/4"	19	-	-	MF 06 x 19 HT (220)	MF 09 x 19 HT (166)	MF 13 x 19 HT (118)	MF 19 x 19 HT (72)	M
22	7/8"	22	13	13	MF 06 x 22 HT (180)	MF 09 x 22 HT (136)	MF 13 x 22 HT (98)	MF 19 x 22 HT (64)	M
25	1"	-	-	-	-	MF 09 x 25 HT (108)	MF 13 x 25 HT (80)	MF 19 x 25 HT (50)	M
28	1 - 1/8"	28	19	19	-	MF 09 x 28 HT (98)	MF 13 x 28 HT (78)	MF 19 x 28 HT (48)	M
32	1 - 1/4"	-	-	-	-	MF 09 x 32 HT (92)	MF 13 x 32 HT (64)	MF 19 x 32 HT (38)	M
35	1 - 3/8"	-	25	25	-	MF 09 x 35 HT (84)	MF 13 x 35 HT (58)	MF 19 x 35 HT (36)	M
38	1 - 1/2"	-	-	-	-	MF 09 x 38 HT (78)	MF 13 x 38 HT (52)	MF 19 x 38 HT (34)	M
42	1 - 5/8"	42	32	32	-	MF 09 x 42 HT (60)	MF 13 x 42 HT (48)	MF 19 x 42 HT (32)	M
45	1 - 3/4"	-	-	-	-	MF 09 x 45 HT (54)	MF 13 x 45 HT (42)	MF 19 x 45 HT (26)	M
48	1 - 7/8"	-	38	38	-	MF 09 x 48 HT (50)	MF 13 x 48 HT (40)	MF 19 x 48 HT (24)	M
51	2"	-	-	-	-	MF 09 x 51 HT (48)	MF 13 x 51 HT (36)	MF 19 x 51 HT (24)	M
54	2 - 1/8"	54	-	-	-	MF 09 x 54 HT (46)	MF 13 x 54 HT (34)	MF 19 x 54 HT (24)	M
57	2 - 1/4"	-	-	-	-	MF 09 x 57 HT (46)	MF 13 x 57 HT (32)	MF 19 x 57 HT (22)	M
60	2 - 3/8"	-	51	51	-	MF 09 x 60 HT (46)	MF 13 x 60 HT (32)	MF 19 x 60 HT (22)	M
64	2 - 1/2"	-	-	-	-	-	MF 13 x 64 HT (30)	MF 19 x 64 HT (18)	M
67	2 - 5/8"	67	-	-	-	-	MF 13 x 67 HT (26)	MF 19 x 67 HT (18)	M
73	2 - 7/8"	-	64	64	-	-	MF 13 x 73 HT (26)	MF 19 x 73 HT (18)	M
76	3"	76	-	-	-	-	MF 13 x 76 HT (26)	MF 19 x 76 HT (18)	M
80	3 - 1/8"	80	-	-	-	-	MF 13 x 80 HT (24)	MF 19 x 80 HT (14)	M
83	3 - 1/4"	-	-	-	-	-	MF 13 x 83 HT (22)	MF 19 x 83 HT (14)	M
90	3 - 1/2"	-	76	76	-	-	MF 13 x 90 HT (22)	MF 19 x 90 HT (14)	M
92	3 - 5/8"	92	-	-	-	-	MF 13 x 92 HT (20)	MF 19 x 92 HT (14)	M
98	3 - 7/8"	-	-	-	-	-	MF 13 x 98 HT (18)	MF 19 x 98 HT (14)	M
102	4"	-	90	90	-	-	MF 13 x 102 HT (16)	MF 19 x 102 HT (14)	M
105	4 - 1/8"	105	-	-	-	-	MF 13 x 105 HT (16)	MF 19 x 105 HT (12)	M
115	4 - 1/2"	-	102	102	-	-	MF 13 x 115 HT (16)	MF 19 x 115 HT (12)	M
130	5 - 1/8"	130	-	-	-	-	MF 13 x 130 HT (12)	MF 19 x 130 HT (8)	M
140	5 - 1/2"	-	127	127	-	-	MF 13 x 140 HT (12)	MF 19 x 140 HT (8)	M
165	6 - 1/2"	-	152	152	-	-	-	MF 19 x 165 HT (6)	M

MAXFLEX HT Standard Sheet Insulation and Continuous Sheet Roll

MAXFLEX HT Sheet Standard Flat Sheet Continuous Sheet Roll	Product Codes (Sizes, Length, Quantity per carton)							
	6 mm. thick * (1/4 inch)	9 mm. thick * (3/8 inch)	13 mm. thick (1/2 inch)	16 mm. thick (5/8 inch)	19 mm. thick (3/4 inch)	25 mm. thick (1 inch)	32 mm. thick (1-1/4 inch)	38 mm. (1-1/2 inch)
Standard Flat Sheet Size 0.50 M. x 2.0 M.	MSF 1 06 HT (24 M ² /ctn)	MSF 1 09 HT (16 M ² /ctn)	MSF 1 13 HT (12 M ² /Scatola)	MSF 1 16 HT (10 M ² /ctn)	MSF 1 19 HT (8 M ² /ctn)	MSF 1 25 HT (6 M ² /ctn)	MSF 1 32 HT (5 M ² /ctn)	MSF 1 (4 M ²)
Standard Flat Sheet Size 1.0 M. x 2.0 M.	MSF 2 06 HT (48 M ² /ctn)	MSF 2 09 HT (32 M ² /ctn)	MSF 2 13 HT (24 M ² /ctn)	MSF 2 16 HT (20 M ² /ctn)	MSF 2 19 HT (16 M ² /ctn)	MSF 2 25 HT (12 M ² /ctn)	MSF 2 32 HT (10 M ² /ctn)	MSF 2 (8 M ²)
Sheet Roll Width 1 M. Continuous Length	MSR 06 HT (L= 22 M.) (22 M ² /ctn)	MSR 09 HT (L= 15 M.) (15 M ² /ctn)	MSR 13 HT (L= 11 M.) (11 M ² /ctn)	MSR 16 HT (L= 10 M.) (10 M ² /ctn)	MSR 19 HT (L= 7 M.) (7 M ² /ctn)	MSR 25 HT (L= 5 M.) (5 M ² /ctn)	MSR 32 HT (L= 4 M.) (4 M ² /ctn)	MSR 38 H (3 M ²)

▲ Note : * Insulation 6 mm. and 9 mm. thick shall be

25 mm. Wall (1" wall)	32 mm. Wall (1-1/4" wall)	38 mm. Wall* (1-1/2" wall)	50 mm. Wall* (2" wall)
-	-	-	-
-	-	-	-
MF 25 x 13 HT (54)	-	-	-
MF 25 x 16 HT (52)	MF 32 x 16 HT (34)	MF 38 x 16 HT (24)	-
MF 25 x 19 HT (50)	MF 32 x 19 HT (32)	MF 38 x 19 HT (22)	MF 50 x 19 HT (12)
MF 25 x 22 HT (42)	MF 32 x 22 HT (32)	MF 38 x 22 HT (20)	MF 50 x 22 HT (12)
MF 25 x 25 HT (40)	MF 32 x 25 HT (30)	MF 38 x 25 HT (18)	MF 50 x 25 HT (12)
MF 25 x 28 HT (40)	MF 32 x 28 HT (24)	MF 38 x 28 HT (18)	MF 50 x 28 HT (12)
MF 25 x 32 HT (28)	MF 32 x 32 HT (24)	MF 38 x 32 HT (16)	MF 50 x 32 HT (10)
MF 25 x 35 HT (24)	MF 32 x 35 HT (22)	MF 38 x 35 HT (16)	MF 50 x 35 HT (10)
MF 25 x 38 HT (22)	MF 32 x 38 HT (16)	MF 38 x 38 HT (14)	MF 50 x 38 HT (10)
MF 25 x 42 HT (22)	MF 32 x 42 HT (16)	MF 38 x 42 HT (12)	MF 50 x 42 HT (10)
MF 25 x 45 HT (20)	MF 32 x 45 HT (14)	MF 38 x 45 HT (12)	MF 50 x 45 HT (8)
MF 25 x 48 HT (18)	MF 32 x 48 HT (14)	MF 38 x 48 HT (12)	MF 50 x 48 HT (8)
MF 25 x 51 HT (16)	MF 32 x 51 HT (12)	MF 38 x 51 HT (10)	MF 50 x 51 HT (8)
MF 25 x 54 HT (16)	MF 32 x 54 HT (12)	MF 38 x 54 HT (10)	MF 50 x 54 HT (8)
MF 25 x 57 HT (14)	MF 32 x 57 HT (10)	MF 38 x 57 HT (10)	MF 50 x 57 HT (8)
MF 25 x 60 HT (12)	MF 32 x 60 HT (10)	MF 38 x 60 HT (10)	MF 50 x 60 HT (6)
MF 25 x 64 HT (12)	MF 32 x 64 HT (10)	MF 38 x 64 HT (10)	MF 50 x 64 HT (6)
MF 25 x 67 HT (12)	MF 32 x 67 HT (8)	MF 38 x 67 HT (8)	MF 50 x 67 HT (6)
MF 25 x 73 HT (10)	MF 32 x 73 HT (8)	MF 38 x 73 HT (8)	MF 50 x 73 HT (6)
MF 25 x 76 HT (10)	MF 32 x 76 HT (8)	MF 38 x 76 HT (8)	MF 50 x 76 HT (6)
MF 25 x 80 HT (8)	MF 32 x 80 HT (8)	MF 38 x 80 HT (8)	MF 50 x 80 HT (6)
MF 25 x 83 HT (8)	MF 32 x 83 HT (8)	MF 38 x 83 HT (8)	MF 50 x 83 HT (6)
MF 25 x 90 HT (8)	MF 32 x 90 HT (8)	MF 38 x 90 HT (6)	MF 50 x 90 HT (4)
MF 25 x 92 HT (8)	MF 32 x 92 HT (6)	MF 38 x 92 HT (6)	MF 50 x 92 HT (4)
MF 25 x 98 HT (6)	MF 32 x 98 HT (6)	MF 38 x 98 HT (6)	MF 50 x 98 HT (4)
MF 25 x 102 HT (6)	MF 32 x 102 HT (6)	MF 38 x 102 HT (4)	MF 50 x 102 HT (4)
MF 25 x 105 HT (6)	MF 32 x 105 HT (6)	MF 38 x 105 HT (4)	MF 50 x 105 HT (4)
MF 25 x 115 HT (6)	MF 32 x 115 HT (6)	MF 38 x 115 HT (4)	MF 50 x 115 HT (4)
MF 25 x 130 HT (4)	MF 32 x 130 HT (4)	MF 38 x 130 HT (4)	MF 50 x 130 HT (2)
MF 25 x 140 HT (4)	MF 32 x 140 HT (4)	MF 38 x 140 HT (4)	MF 50 x 140 HT (2)
MF 25 x 165 HT (4)	MF 32 x 165 HT (4)	MF 38 x 165 HT (4)	MF 50 x 165 HT (2)

▲ Note : * 38 mm. and 50 mm. thick tube may be slitted lengthwise.

n. thick 2 inch)	50 mm. thick (2 inch)
38 HT (3 ctn)	MSF 1 50 HT (3 M ² /ctn)
38 HT (6 ctn)	MSF 2 50 HT (6 M ² /ctn)
HT (L= 3 M.) (2 ctn)	MSR 50 HT (L= 2 M.) (2 M ² /ctn)

DIMENSION OF PACKAGING

	W. (cm.)	L. (cm.)	H. (cm.)
TUBE 2 M.	39	207	33
STANDARD SHEET 0.5 x 2 M.	56	207	19
STANDARD SHEET 1 x 2 M.	110	207	19
SHEET ROLL	46	110	46

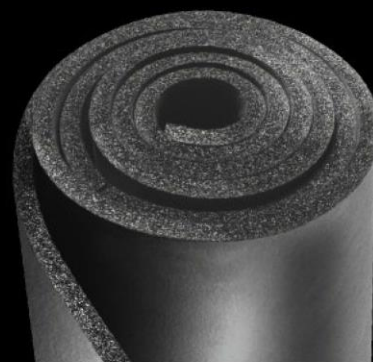
⇒ supplied with one side skin.



Insulation Tubes 2 M. length/piece, wall 6 mm. to 50 mm. thick, ID 6 mm. to 165 mm.



Standard Flat Insulation Sheet, size 0.5 M x 2.0 M and 1.0 M x 2.0 M, 6 mm. to 50 mm. thick.



Continuous Sheet Roll, sheet width 1.0 M., 6 mm. to 50 mm. thick.



MAXGLUE HT, adhesive for MAXFLEX HT 700 gm./can and 3,000 gm./gal.



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VANDAPAC

Established in 1988, Vandapac Co., Ltd. is a world class manufacturer for OEM and quality products in 3 main groups:

- Disposable Packaging
- Automotive Accessories
- Thermal Insulation

VANDAPAC's Insulation Division is premier manufacturer of closed cell elastomeric thermal insulation. A Product developed from ethylene propylene diene monomer synthetic rubbers research. Produced by using a specially designed manufacturing technique.

Universal confidence in the international standard and quality of our thermal insulation products is reflected by the fact that we export MAXFLEX all over the world.

VANDAPAC Co., Ltd.

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