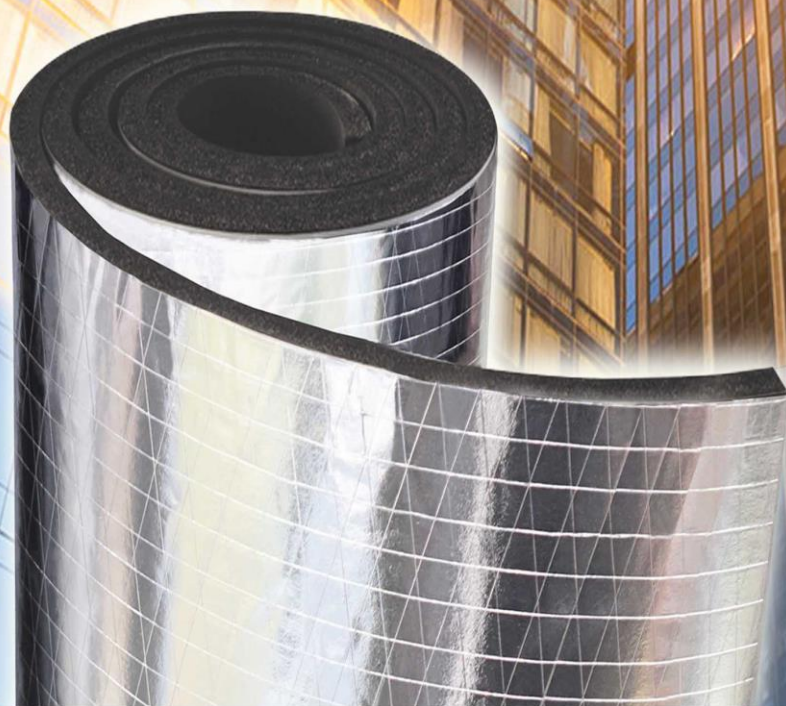


MAXFLEX FR



MAXFLEX FR is available as tube insulation, pre-cut sheet, standard flat sheet and sheet roll. They made from light weight elastomeric material, EPDM (ETHYLENE PROPYLENE RUBBER). Molecular structure of **MAXFLEX FR** is characterized by a large number of fine cross-linked closed cells laminate with facing materials that design for thermal insulation usage which is CFCs free, HFCs Free, HCFCs free and O.D.P. Zero.

MAXFLEX FR is non-fibrous, non-asbestos, non-formaldehyde contents and Odorless. It has been favored over than the fibrous insulation material that the possible health hazards and dangers caused by the loose particles of fibrous materials into air vents.

In addition to the well-known performance of **MAXFLEX FR**, grant a very elegant shining aluminium look and a strong mechanical protection. The result is a product of high quality, energy saving, long lasting protection, highly puncture and tear resistance, condensation control and help minimizing mold growth.

Better Temperature Control & Energy Conservation : Provides effective reduction of heat loss from indoor and outdoor air ducting systems. It also reduces waste of energy by higher heat gain into the cooling systems.

Prevent Condensation Problems : Excellent moisture and water vapor resistance due to its dense surface skin with cladding material and the closed cell structure.

Durable : Outstanding Ozone/UV and Weather resistance. Superior resistance against moisture, fungus growth, vermin and rodent attack.

Excellent Sound Absorption and Noise Reduction : Acting as a vibration damper and serve as outer shield , MAXFLEX FR greatly reduces noise from mechanical equipment, structure and air movement.

Excellent and Safety Fire Performance (Fire retardant) : MAXFLEX FR is complied with most international smoke and flammability standards.

Easy to install : Outstanding flexibility to quick and easy installation. Gives the finished insulation a neat aesthetic appearance.

Long years' thermal resistance properties : Stable and low thermal conductivity value (K-Value) throughout the service life.

Several Applications: MAXFLEX FR Laminate with Aluminium foil suitable for indoor application, with Aluminium glass cloth suitable for outdoor application and alternative facing materials in available , please consult with manufacturer.



MAXFLEX FR Standard Insulation Tube laminate with Aluminium Foil for Indoor : 2 metre Length/Piece

ID of MAXFLEX FR Tube		Pipe Size : mm.(inch)			Product Code, Thickness & Quantity : Piece/Cartron						
mm.	inch	Copper	Iron/PVC	PPR	9 mm.wall (3/8")	13 mm.wall (1/2")	19 mm.wall (3/4")	25 mm.wall (1")	32 mm.wall (1-1/4")	38 mm.wall (1-1/2")	50 mm.wall (2")
6	1/4"	6(1/4")					MF19x06FAFR (56)	MF25x06FAFR (30)			
9	3/8"	9(3/8")					MF19x09FAFR (49)	MF25x09FAFR (30)			
13	1/2"	13(1/2")	1/4"IPS				MF19x13FAFR (44)	MF25x13FAFR (27)			
16	5/8"	16(5/8")	3/8"IPS				MF19x16FAFR (39)	MF25x16FAFR (26)	MF32x16FAFR (17)	MF38x16FAFR (12)	
19	3/4"	19(3/4")					MF19x19FAFR (36)	MF25x19FAFR (25)	MF32x19FAFR (16)	MF38x19FAFR (11)	MF50x19FAFR (6)
22	7/8"	22(7/8")	1/2"IPS	20(1/2")	MF09x22FAFR(68)	MF13x22FAFR (49)	MF19x22FAFR (32)	MF25x22FAFR (21)	MF32x22FAFR (16)	MF38x22FAFR (10)	MF50x22FAFR (6)
25	1"		3/4"IPS	25(3/4")	MF09x25FAFR (54)	MF13x25FAFR (40)	MF19x25FAFR (25)	MF25x25FAFR (20)	MF32x25FAFR (15)	MF38x25FAFR (9)	MF50x25FAFR (6)
28	1-1/8"	28(1-1/8")			MF09x28FAFR (49)	MF13x28FAFR (39)	MF19x28FAFR (24)	MF25x28FAFR (20)	MF32x28FAFR (12)	MF38x28FAFR (9)	MF50x28FAFR (6)
32	1-1/4"			32(1")	MF09x32FAFR (46)	MF13x32FAFR (32)	MF19x32FAFR (19)	MF25x32FAFR (14)	MF32x32FAFR (12)	MF38x32FAFR (8)	MF50x32FAFR (5)
35	1-3/8"	35(1-3/8")	1"IPS		MF09x35FAFR (42)	MF13x35FAFR (29)	MF19x35FAFR (18)	MF25x35FAFR (12)	MF32x35FAFR (11)	MF38x35FAFR (8)	MF50x35FAFR (5)
38	1-1/2"				MF09x38FAFR (39)	MF13x38FAFR (26)	MF19x38FAFR (17)	MF25x38FAFR (11)	MF32x38FAFR (8)	MF38x38FAFR (7)	MF50x38FAFR (5)
42	1-5/8"	42(1-5/8")	1-1/4"IPS	40(1-1/4")	MF09x42FAFR (30)	MF13x42FAFR (24)	MF19x42FAFR (16)	MF25x42FAFR (11)	MF32x42FAFR (8)	MF38x42FAFR (6)	MF50x42FAFR (5)
45	1-3/4"				MF09x45FAFR (27)	MF13x45FAFR (22)	MF19x45FAFR (13)	MF25x45FAFR (10)	MF32x45FAFR (7)	MF38x45FAFR (6)	MF50x45FAFR (4)
48	1-7/8"		1-1/2"IPS		MF09x48FAFR (25)	MF13x48FAFR (20)	MF19x48FAFR (12)	MF25x48FAFR (9)	MF32x48FAFR (7)	MF38x48FAFR (6)	MF50x48FAFR (4)
51	2"			50(1-1/2")	MF09x51FAFR (24)	MF13x51FAFR (18)	MF19x51FAFR (12)	MF25x51FAFR (8)	MF32x51FAFR (6)	MF38x51FAFR (5)	MF50x51FAFR (4)
54	2-1/8"	54(2-1/8")			MF09x54FAFR (23)	MF13x54FAFR (17)	MF19x54FAFR (12)	MF25x54FAFR (8)	MF32x54FAFR (6)	MF38x54FAFR (5)	MF50x54FAFR (4)
57	2-1/4"				MF09x57FAFR (23)	MF13x57FAFR (16)	MF19x57FAFR (11)	MF25x57FAFR (7)	MF32x57FAFR (5)	MF38x57FAFR (5)	MF50x57FAFR (4)
60	2-3/8"		2"IPS		MF09x60FAFR (23)	MF13x60FAFR (16)	MF19x60FAFR (11)	MF25x60FAFR (6)	MF32x60FAFR (5)	MF38x60FAFR (5)	MF50x60FAFR (3)
64	2-1/2"			63(2")		MF13x64FAFR (15)	MF19x64FAFR (9)	MF25x64FAFR (6)	MF32x64FAFR (5)	MF38x64FAFR (5)	MF50x64FAFR (3)
67	2-5/8"	67(2-5/8")				MF13x67FAFR (13)	MF19x67FAFR (9)	MF25x67FAFR (6)	MF32x67FAFR (4)	MF38x67FAFR (4)	MF50x67FAFR (3)
73	2-7/8"		2-1/2"IPS			MF13x73FAFR (13)	MF19x73FAFR (9)	MF25x73FAFR (5)	MF32x73FAFR (4)	MF38x73FAFR (4)	MF50x73FAFR (3)
76	3"	76(3")		75(2-1/2")		MF13x76FAFR (13)	MF19x76FAFR (9)	MF25x76FAFR (5)	MF32x76FAFR (4)	MF38x76FAFR (4)	MF50x76FAFR (3)
80	3-1/8"	80(3-1/8")				MF13x80FAFR (12)	MF19x80FAFR (7)	MF25x80FAFR (4)	MF32x80FAFR (4)	MF38x80FAFR (4)	MF50x80FAFR (3)
83	3-1/4"					MF13x83FAFR (11)	MF19x83FAFR (7)	MF25x83FAFR (4)	MF32x83FAFR (4)	MF38x83FAFR (4)	MF50x83FAFR (3)
90	3-1/2"		3"IPS	90(3")		MF13x90FAFR (11)	MF19x90FAFR (7)	MF25x90FAFR (4)	MF32x90FAFR (4)	MF38x90FAFR (3)	MF50x90FAFR (2)
92	3-5/8"	92(3-5/8")				MF13x92FAFR (10)	MF19x92FAFR (7)	MF25x92FAFR (4)	MF32x92FAFR (3)	MF38x92FAFR (3)	MF50x92FAFR (2)
98	3-7/8"					MF13x98FAFR (9)	MF19x98FAFR (7)	MF25x98FAFR (3)	MF32x98FAFR (3)	MF38x98FAFR (3)	MF50x98FAFR (2)
102	4"		3-1/2"IPS			MF13x102FAFR (8)	MF19x102FAFR (7)	MF25x102FAFR (3)	MF32x102FAFR (3)	MF38x102FAFR (2)	MF50x102FAFR (2)
105	4-1/8"	105(4-1/8")				MF13x105FAFR (8)	MF19x105FAFR (6)	MF25x105FAFR (3)	MF32x105FAFR (3)	MF38x105FAFR (2)	MF50x105FAFR (2)
115	4-1/2"		4"IPS	110(4")		MF13x115FAFR (8)	MF19x115FAFR (6)	MF25x115FAFR (3)			
130	5-1/8"	130(5-1/8")		125(5")		MF13x130FAFR (6)	MF19x130FAFR (4)	MF25x130FAFR (2)			
140	5-1/2"		5"IPS			MF13x140FAFR (6)	MF19x140FAFR (4)	MF25x140FAFR (2)			
165	6-1/2"		6"IPS	160(6")			MF19x165FAFR (3)	MF25x165FAFR (2)			

Note : Suffix code (A,B,C) are production time. ** Alternative facing materials in available please consult with maxflex manufacturer.

MAXFLEX FR Standard Sheet Insulation and Continuous Sheet Roll laminate with Aluminium Foil for Indoor

MAXFLEX FR Standard Sheet and Continuous Sheet Roll	Products Code, Size, Length and Quantity per Cartron									
	3mm. Thickness (1/8")	6mm. Thickness (1/4")	9mm. Thickness (3/8")	13mm. Thickness (1/2")	16mm. Thickness (5/8")	19mm. Thickness (3/4")	25mm. Thickness (1")	32mm. Thickness (1-1/4")	38mm. Thickness (1-1/2")	50mm. Thickness (2")
Flat Sheet Size 1.2m. x 0.9 m.	MSF03FAFR (48pcs/ctn)	MSF06FAFR (24pcs/ctn)	MSF09FAFR (16pcs/ctn)	MSF13FAFR (12pcs/ctn)	MSF16FAFR (10pcs/ctn)	MSF19FAFR (8pcs/ctn)	MSF25FAFR (6pcs/ctn)	MSF32FAFR (5pcs/ctn)	MSF38FAFR (4pcs/ctn)	MSF50FAFR (3pcs/ctn)
Sheet Roll Width 1.2 m.	MSR03L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR06L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR09L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR13L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR16L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR19L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR25L15MFAFR (L=15.0m.) (18.0m ² / ctn)	MSR32L15MFAFR (L=6.0m.) (7.2m ² / ctn)	MSR38L15MFAFR (L=4.0m.) (4.8m ² / ctn)	MSR50L15MFAFR (L=4.0m.) (4.8m ² / ctn)

Note : Insulation thickness 3mm. and 6mm. shall be supplied with one side skin. Additional product specification as an above. Available alternative roll products 15m continuous length as an above. Please consult the manufacturer.

MAXFLEX FR Standard Pre-Cut Sheet Insulation laminate with Aluminium Foil for Indoor : 1.2 metre Length/Sheet

Steel Pipe Size		13mm. wall (1/2")			19mm. wall (3/4")			25mm. wall (1")		
ID (inch)	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)
4" IPS	1.2 x 0.48	MCS1312048FAFR	24	1.2 x 0.53	MCS1912053FAFR	16	1.2 x 0.57	MCS2512057FAFR	12	
5" IPS	1.2 x 0.56	MCS1312056FAFR	12	1.2 x 0.61	MCS1912061FAFR	8	1.2 x 0.65	MCS2512065FAFR	6	
6" IPS	1.2 x 0.69	MCS1312069FAFR	12	1.2 x 0.74	MCS1912074FAFR	8	1.2 x 0.78	MCS2512078FAFR	6	
8" IPS	1.2 x 0.80	MCS1312080FAFR	12	1.2 x 0.85	MCS1912085FAFR	8	1.2 x 0.88	MCS2512088FAFR	6	
10" IPS	1.2 x 0.96	MCS1312096FAFR	12	1.2 x 1.01	MCS1912101FAFR	8	1.2 x 1.04	MCS2512104FAFR	6	
12" IPS	1.2 x 1.12	MCS1312112FAFR	12	1.2 x 1.17	MCS1912117FAFR	8	1.2 x 1.20	MCS2512120FAFR	6	
14" IPS	1.2 x 1.24	MCS1312124FAFR	12	1.2 x 1.29	MCS1912129FAFR	8	1.2 x 1.32	MCS2512132FAFR	6	
16" IPS	1.2 x 1.40	MCS1312140FAFR	12	1.2 x 1.45	MCS1912145FAFR	8	1.2 x 1.48	MCS2512148FAFR	6	
18" IPS	1.2 x 1.56	MCS1312156FAFR	12	1.2 x 1.61	MCS1912161FAFR	8	1.2 x 1.65	MCS2512165FAFR	6	
Steel Pipe Size		32mm. wall (1-1/4")			38mm. wall (1-1/2")			50mm. wall (2")		
ID (inch)	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)
4" IPS	1.2 x 0.61	MCS3212061FAFR	10	1.2 x 0.67	MCS3812067FAFR	8	1.2 x 0.73	MCS5012073FAFR	3	
5" IPS	1.2 x 0.69	MCS3212069FAFR	5	1.2 x 0.75	MCS3812075FAFR	4	1.2 x 0.81	MCS5012081FAFR	3	
6" IPS	1.2 x 0.82	MCS3212082FAFR	5	1.2 x 0.88	MCS3812088FAFR	4	1.2 x 0.94	MCS5012094FAFR	3	
8" IPS	1.2 x 0.93	MCS3212093FAFR	5	1.2 x 0.99	MCS3812099FAFR	4	1.2 x 1.05	MCS5012105FAFR	3	
10" IPS	1.2 x 1.09	MCS3212109FAFR	5	1.2 x 1.15	MCS3812115FAFR	4	1.2 x 1.21	MCS5012121FAFR	3	
12" IPS	1.2 x 1.25	MCS3212125FAFR	5	1.2 x 1.31	MCS3812131FAFR	4	1.2 x 1.37	MCS5012137FAFR	3	
14" IPS	1.2 x 1.37	MCS3212137FAFR	5	1.2 x 1.43	MCS3812143FAFR	4	1.2 x 1.49	MCS5012149FAFR	3	
16" IPS	1.2 x 1.53	MCS3212153FAFR	5	1.2 x 1.59	MCS3812159FAFR	4	1.2 x 1.65	MCS5012165FAFR	3	
18" IPS	1.2 x 1.69	MCS3212169FAFR	5	1.2 x 1.75	MCS3812175FAFR	4	1.2 x 1.81	MCS5012181FAFR	3	

Note : The above sheet size is for 1" wall thickness. For other thickness pre cut sheet size will vary to cover circumference.

MAXFLEX FR Standard Insulation Tube laminate with Aluminium Glass Cloth for Outdoor : 2 metre Length/Piece

ID of MAXFLEX FR Tube		Pipe Size : mm.(inch)			Product Code, Thickness & Quantity : Piece/Carton						
mm.	inch	Copper	Iron/PVC	PPR	9 mm.wall (3/8")	13 mm.wall (1/2")	19 mm.wall (3/4")	25 mm.wall (1")	32 mm.wall (1-1/4")	38 mm.wall (1-1/2")	50 mm.wall (2")
6	1/4"	6(1/4")					MF19x06GCFR (56)	MF25x06GCFR (30)			
9	3/8"	9(3/8")					MF19x09GCFR (49)	MF25x09GCFR (30)			
13	1/2"	13(1/2")	1/4"IPS				MF19x13GCFR (44)	MF25x13GCFR (27)			
16	5/8"	16(5/8")	3/8"IPS				MF19x16GCFR (39)	MF25x16GCFR (26)	MF32x16GCFR (17)	MF38x16GCFR (12)	
19	3/4"	19(3/4")					MF19x19GCFR (36)	MF25x19GCFR (25)	MF32x19GCFR (16)	MF38x19GCFR (11)	MF50x19GCFR (6)
22	7/8"	22(7/8")	1/2"IPS	20(1/2")	MF09x22GCFR(68)	MF13x22GCFR (49)	MF19x22GCFR (32)	MF25x22GCFR (21)	MF32x22GCFR (16)	MF38x22GCFR (10)	MF50x22GCFR (6)
25	1"		3/4"IPS	25(3/4")	MF09x25GCFR (54)	MF13x25GCFR (40)	MF19x25GCFR (25)	MF25x25GCFR (20)	MF32x25GCFR (15)	MF38x25GCFR (9)	MF50x25GCFR (6)
28	1-1/8"	28(1-1/8")			MF09x28GCFR (49)	MF13x28GCFR (39)	MF19x28GCFR (24)	MF25x28GCFR (20)	MF32x28GCFR (12)	MF38x28GCFR (9)	MF50x28GCFR (6)
32	1-1/4"			32(1")	MF09x32GCFR (46)	MF13x32GCFR (32)	MF19x32GCFR (19)	MF25x32GCFR (14)	MF32x32GCFR (11)	MF38x32GCFR (8)	MF50x32GCFR (5)
35	1-3/8"	35(1-3/8")	1"IPS		MF09x35GCFR (42)	MF13x35GCFR (29)	MF19x35GCFR (18)	MF25x35GCFR (12)	MF32x35GCFR (12)	MF38x35GCFR (8)	MF50x35GCFR (5)
38	1-1/2"				MF09x38GCFR (39)	MF13x38GCFR (26)	MF19x38GCFR (17)	MF25x38GCFR (11)	MF32x38GCFR (8)	MF38x38GCFR (7)	MF50x38GCFR (5)
42	1-5/8"	42(1-5/8")	1-1/4"IPS	40(1-1/4")	MF09x42GCFR (30)	MF13x42GCFR (24)	MF19x42GCFR (16)	MF25x42GCFR (11)	MF32x42GCFR (8)	MF38x42GCFR (6)	MF50x42GCFR (5)
45	1-3/4"				MF09x45GCFR (27)	MF13x45GCFR (22)	MF19x45GCFR (13)	MF25x45GCFR (10)	MF32x45GCFR (7)	MF38x45GCFR (6)	MF50x45GCFR (4)
48	1-7/8"		1-1/2"IPS		MF09x48GCFR (25)	MF13x48GCFR (20)	MF19x48GCFR (12)	MF25x48GCFR (9)	MF32x48GCFR (7)	MF38x48GCFR (6)	MF50x48GCFR (4)
51	2"			50(1-1/2")	MF09x51GCFR (24)	MF13x51GCFR (18)	MF19x51GCFR (12)	MF25x51GCFR (8)	MF32x51GCFR (6)	MF38x51GCFR (5)	MF50x51GCFR (4)
54	2-1/8"	54(2-1/8")			MF09x54GCFR (23)	MF13x54GCFR (17)	MF19x54GCFR (12)	MF25x54GCFR (8)	MF32x54GCFR (6)	MF38x54GCFR (5)	MF50x54GCFR (4)
57	2-1/4"				MF09x57GCFR (23)	MF13x57GCFR (16)	MF19x57GCFR (11)	MF25x57GCFR (7)	MF32x57GCFR (5)	MF38x57GCFR (4)	MF50x57GCFR (4)
60	2-3/8"		2"IPS		MF09x60GCFR (23)	MF13x60GCFR (16)	MF19x60GCFR (11)	MF25x60GCFR (6)	MF32x60GCFR (5)	MF38x60GCFR (5)	MF50x60GCFR (3)
64	2-1/2"			63(2")		MF13x64GCFR (15)	MF19x64GCFR (9)	MF25x64GCFR (6)	MF32x64GCFR (5)	MF38x64GCFR (5)	MF50x64GCFR (3)
67	2-5/8"	67(2-5/8")				MF13x67GCFR (13)	MF19x67GCFR (9)	MF25x67GCFR (6)	MF32x67GCFR (4)	MF38x67GCFR (4)	MF50x67GCFR (3)
73	2-7/8"		2-1/2"IPS			MF13x73GCFR (13)	MF19x73GCFR (9)	MF25x73GCFR (5)	MF32x73GCFR (4)	MF38x73GCFR (4)	MF50x73GCFR (3)
76	3"	76(3")		75(2-1/2")		MF13x76GCFR (13)	MF19x76GCFR (9)	MF25x76GCFR (5)	MF32x76GCFR (4)	MF38x76GCFR (4)	MF50x76GCFR (3)
80	3-1/8"	80(3-1/8")				MF13x80GCFR (12)	MF19x80GCFR (7)	MF25x80GCFR (4)	MF32x80GCFR (4)	MF38x80GCFR (4)	MF50x80GCFR (3)
83	3-1/4"					MF13x83GCFR (11)	MF19x83GCFR (7)	MF25x83GCFR (4)	MF32x83GCFR (4)	MF38x83GCFR (4)	MF50x83GCFR (3)
90	3-1/2"		3"IPS	90(3")		MF13x90GCFR (11)	MF19x90GCFR (7)	MF25x90GCFR (4)	MF32x90GCFR (4)	MF38x90GCFR (3)	MF50x90GCFR (2)
92	3-5/8"	92(3-5/8")				MF13x92GCFR (10)	MF19x92GCFR (7)	MF25x92GCFR (4)	MF32x92GCFR (3)	MF38x92GCFR (3)	MF50x92GCFR (2)
98	3-7/8"					MF13x98GCFR (9)	MF19x98GCFR (7)	MF25x98GCFR (3)	MF32x98GCFR (3)	MF38x98GCFR (3)	MF50x98GCFR (2)
102	4"		3-1/2"IPS			MF13x102GCFR (8)	MF19x102GCFR (7)	MF25x102GCFR (3)	MF32x102GCFR (3)	MF38x102GCFR (2)	MF50x102GCFR (2)
105	4-1/8"	105(4-1/8")				MF13x105GCFR (8)	MF19x105GCFR (6)	MF25x105GCFR (3)	MF32x105GCFR (3)	MF38x105GCFR (2)	MF50x105GCFR (2)
115	4-1/2"		4"IPS	110(4")		MF13x115GCFR (8)	MF19x115GCFR (6)	MF25x115GCFR (3)			
130	5-1/8"	130(5-1/8")		125(5")		MF13x130GCFR (6)	MF19x130GCFR (4)	MF25x130GCFR (2)			
140	5-1/2"		5"IPS			MF13x140GCFR (6)	MF19x140GCFR (4)	MF25x140GCFR (2)			
165	6-1/2"		6"IPS	160(6")			MF19x165GCFR (3)	MF25x165GCFR (2)			

Note : Suffix code (A,B,C) are production time. ** Alternative facing materials in available please consult with maxflex manufacturer.

MAXFLEX FR Standard Sheet Insulation and Continuous Sheet Roll laminate with Aluminium Glass Cloth for Outdoor

MAXFLEX FR Standard Sheet and Continuous Sheet Roll	Products Code, Size, Length and Quantity per Carton									
	3mm. Thickness (1/8")	6mm. Thickness (1/4")	9mm. Thickness (3/8")	13mm. Thickness (1/2")	16mm. Thickness (5/8")	19mm. Thickness (3/4")	25mm. Thickness (1")	32mm. Thickness (1-1/4")	38mm. Thickness (1-1/2")	50mm. Thickness (2")
Flat Sheet Size: 1.2m x 0.9 m.	MSF03GCFR (48pcs/ctn)	MSF06GCFR (24pcs/ctn)	MSF09GCFR (16pcs/ctn)	MSF13GCFR (12pcs/ctn)	MSF16GCFR (10pcs/ctn)	MSF19GCFR (8pcs/ctn)	MSF25GCFR (6pcs/ctn)	MSF32GCFR (5pcs/ctn)	MSF38GCFR (4pcs/ctn)	MSF50GCFR (3pcs/ctn)
Sheet Roll Width: 1.0 m.	MSR03W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR06W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR09W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR13W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR16W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR19W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR25W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR32W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR38W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)	MSR50W1ML15MGCFR (L=15.0m.) (15.0m ² / ctn)

Note : Insulation thickness 3mm. and 6mm. shall be supplied with one side skin. Additional product specification as an above. Available alternative roll products 15m continuous length as an above. Please consult the manufacturer.

MAXFLEX FR Standard Pre-Cut Sheet Insulation laminate with Aluminium Glass Cloth for Outdoor : 1.0 metre Length/Sheet

Steel Pipe Size		13mm. wall (1/2")			19mm. wall (3/4")			25mm. wall (1")		
ID (inch)	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)
4" IPS	1.0 x 0.48	MCS1310048GCFR	24	1.0 x 0.53	MCS1910053GCFR	16	1.0 x 0.57	MCS2510057GCFR	12	
5" IPS	1.0 x 0.56	MCS1310056GCFR	12	1.0 x 0.61	MCS1910061GCFR	8	1.0 x 0.65	MCS2510065GCFR	6	
6" IPS	1.0 x 0.69	MCS1310069GCFR	12	1.0 x 0.74	MCS1910074GCFR	8	1.0 x 0.78	MCS2510078GCFR	6	
8" IPS	1.0 x 0.80	MCS1310080GCFR	12	1.0 x 0.85	MCS1910085GCFR	8	1.0 x 0.88	MCS2510088GCFR	6	
10" IPS	1.0 x 0.96	MCS1310096GCFR	12	1.0 x 1.01	MCS1910101GCFR	8	1.0 x 1.04	MCS2510104GCFR	6	
12" IPS	1.0 x 1.12	MCS1310112GCFR	12	1.0 x 1.17	MCS1910117GCFR	8	1.0 x 1.20	MCS2510120GCFR	6	
14" IPS	1.0 x 1.24	MCS1310124GCFR	12	1.0 x 1.29	MCS1910129GCFR	8	1.0 x 1.32	MCS2510132GCFR	6	
16" IPS	1.0 x 1.40	MCS1310140GCFR	12	1.0 x 1.45	MCS1910145GCFR	8	1.0 x 1.48	MCS2510148GCFR	6	
18" IPS	1.0 x 1.56	MCS1310156GCFR	12	1.0 x 1.61	MCS1910161GCFR	8	1.0 x 1.65	MCS2510165GCFR	6	
Steel Pipe Size		32mm. wall (1-1/4")			38mm. wall (1-1/2")			50mm. wall (2")		
ID (inch)	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)	Product Code	Pcs./ctn.	Length(m) x Width(m)
4" IPS	1.0 x 0.61	MCS3210061GCFR	10	1.0 x 0.67	MCS3810067GCFR	8	1.0 x 0.73	MCS5010073GCFR	3	
5" IPS	1.0 x 0.69	MCS3210069GCFR	5	1.0 x 0.75	MCS3810075GCFR	4	1.0 x 0.81	MCS5010081GCFR	3	
6" IPS	1.0 x 0.82	MCS3210082GCFR	5	1.0 x 0.88	MCS3810088GCFR	4	1.0 x 0.94	MCS5010094GCFR	3	
8" IPS	1.0 x 0.93	MCS3210093GCFR	5	1.0 x 0.99	MCS3810099GCFR	4	1.0 x 1.05	MCS5010105GCFR	3	
10" IPS	1.0 x 1.09	MCS3210109GCFR	5	1.0 x 1.15	MCS3810115GCFR	4	1.0 x 1.21	MCS5010121GCFR	3	
12" IPS	1.0 x 1.25	MCS3210125GCFR	5	1.0 x 1.31	MCS3810131GCFR	4	1.0 x 1.37	MCS5010137GCFR	3	
14" IPS	1.0 x 1.37	MCS3210137GCFR	5	1.0 x 1.43	MCS3810143GCFR	4	1.0 x 1.49	MCS5010149GCFR	3	
16" IPS	1.0 x 1.53	MCS3210153GCFR	5	1.0 x 1.59	MCS3810159GCFR	4	1.0 x 1.65	MCS5010165GCFR	3	
18" IPS	1.0 x 1.69	MCS3210169GCFR	5	1.0 x 1.75	MCS3810175GCFR	4	1.0 x 1.81	MCS5010181GCFR	3	

Note : The above sheet size is for 1" wall thickness. For other thickness pre cut sheet size will vary to cover circumference.

MAXFLEX® FR SPECIFICATION

Physical Properties		Maxflex®								Test Method (Standard)
Material		EPDM Rubber Blend with additive								TGA / DSC
Cell Structure / Flexibility		Closed Cell / Excellent								-
Density		3-6 lbs/ft³ (48-96 kg/m³)								ASTM D1667
Thermal Conductivity BTU.In/ft².hr.°F (W/m.K)	Mean Temp.	-40°F (-40°C)	-22°F (-30°C)	-4°F (-20°C)	32°F (0°C)	75°F (24°C)	90°F (32°C)	104°F (40°C)	122°F (50°C)	ASTM C177
	K Value	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	ASTM C518
		0.029	0.030	0.031	0.033	0.035	0.037	0.038	0.039	DIN 52613 EN ISO 8497
Service Temperature *		-57°C to 125°C -70°F to 257°F can withstand temperature as high as 125 °C								Maxflex become hard at -57°C but can be use even at -200°C ASTM C411
- Maximum service Temperature										
Ozone & UV Resistance		No Crack								ASTM D1171 & ASTM G154
Water Absorption (μ Value)		≤ 1.5% by Weight ≤ 0.05% by Volume								ASTM D1056 ASTM C209
Water Vapor Diffusion Resistance		μ ≥ 55,000								EN 12086, DIN 52615
Water Vapor Permeability ** (g/Pa.s.m)		≤ 0.10 perm-in (≤1.15x10 ⁻¹⁰)								ASTM E96
Anti Microbial, Fungus Resistance		Compliance with requirement								ASTM E2180, ASTM G21
Heat Stability (% Shrinkage) at 200°F (7 Days)		≤ 3.5 % Respectively								ASTM C534
Fire Performance (Fire Retardant) - Flame spread / Smoke Developed		Class V0 FM Approved Self-Extinguishing Compliance with requirement 25/50								UL 94 FM Approval ASTM D635 NFPA 90A & NFPA 130A ASTM E84
Fire Propagation & Surface spread of flame - Total Index of Performance (I) - Sub Index (i)		Class 1 Class 0 Less than 12 Less than 6								BS 476 Part 7 BS 476 Part 6
Smoke Toxicity - Smoke Density		Satisfies max allowable concernration for the following combustion gases CO, HCl, HF, HBr, HCN, NOx, SO2 D _m ≤ 100								ISO 5659-2:2017
		Compliance with requirement								International Marine Organization(IMO)
RoHs Test		Compliance with requirement								Certain Hazardous Substances in Electrical and Electronic Equipment 2011/65/EU and its amendment Directive(EU)2015/863
Nitrosamine Content		Not detected								BS EN 12868
Ozone Depleting Substances(ODS) - CFCs, HCFCs		Not detected								USEPA5021A/8260C
Formaldehyde Content		Not detected								ISO 17226-1
Asbestos / Dust & Fiber		Not detected								EPA600/R
Odour Test at 23°C, 40°C		Grade1.5, Grade2.0								FLTM BO 131-03
Corrosion(Copper, Stainless Steel)		Non Corrosive								DIN 1988
Material Lamination ***										
Aluminium Foil (Indoor)		Laminated on one side with ≥9micron, basis weight ≥85gsm.								
Aluminium Glass Cloth (Outdoor)		Laminated on one side with ≥18micron, basis weight ≥145gsm.								

Note: * For applications at a temperature lower than -57 °C, MAXFLEX FR becomes hard but it does not affect thermal conductivity nor water vapor permeability. For heating applications, MAXFLEX FR can stand upto +125°C continuously.

** Water Vapor Permeability test was done under test method ASTM E96 dehydrate test at 37.8 °C and average value is 0.94x10⁻¹⁰ g/Pa.s.m

*** Available in various lamination such as Aluminium Foil, Aluminium Glass Cloth, Glass Cloth, Black Vinyl Polypropylene, Self Adhesive etc.



MAXFLEX ACCESSORIES



MAXTAPE



MAXGLUE



MAXFIX-MAXFIX STAND



MAXCOAT

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