



Fabrication Board

Semi-Rigid Fiber Glass Insulation Boards



Fabrication Boards are commonly fabricated into pipe and tank Insulation products used on heated pipes, ducts and equipment. They can also be used in sheet form, plain or faced, for commercial and industrial heating, air conditioning and process equipment.

Operating Temperature Limit: 850°F (454°C)

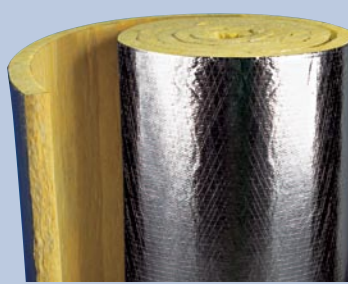
Type	Density		Thickness		High Temp. Limit	
	pcf	kg/m ³	in	mm	°F	°C
3005	3.0	48	1-4	25-102	850	454
3008	3.0	48	1-4	25-102	650	343

THERMAL CONDUCTIVITY ("k") (ASTM C 177 AND C 518)

Type	Mean Temperature			
	75°F	(24°C)	300°F	(149°C)
3005	0.23*	0.033**	0.33*	0.048**
3008	0.23*	0.033**	0.36*	0.052**

*Btu•in/(hr•ft²•°F) ** W/m • °C

ASTM C 612
 • Class 1 and 2
 • Class 3 (3005 Only)
 ASTM C 795
 HH-I-558B, Form A, Class 1 and 2
 ASTM E 84, UL 723, NFPA 255
 FHC 25/50, NFPA 90A and 90B
 MIL-I-24244B
 NRC 1.36



Micro-Flex™

Large Diameter Pipe and Tank Wrap



Unique fiber orientation gives it increased compressive strength, and permits close installation on round surfaces without reducing the thickness of insulation resulting in a loss of insulation efficiency. It is ideally suited for application on rounded shapes such as pipes, tanks, ducts and vessels.

Operating Temperature Limit:
 0°F to 850°F (-18°C to 454°C)

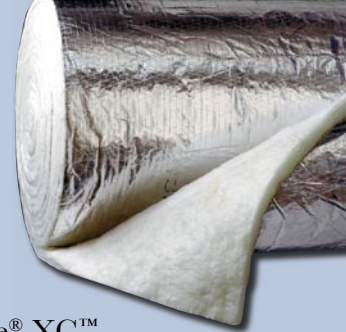
Thickness*	Width		
	in	mm	ft.
1-4	25-102	3	0.92
1-4	25-102	4	1.22

*Available in ½" (13 mm) increments.

THERMAL CONDUCTIVITY ("k") (ASTM C 177 AND C 518)

Mean Temperature	"k"			
	°F	°C	Btu•in/(hr•ft ² •°F)	W/m•°C
	75	24	0.24	0.035
150	66	0.28	0.040	
200	93	0.32	0.046	
300	149	0.39	0.056	
400	204	0.46	0.066	
500	260	0.58	0.084	

ASTM C 1393, Type III A
 ASTM E 84
 NYC MEA # 360-03-E



Microlite® XG™

Formaldehyde-free™ Fiber Glass Duct Wrap



Microlite XG Formaldehyde-free™ duct wrap insulation is recommended as thermal insulation for the exterior of HVAC systems or other spaces or surfaces where temperature and acoustical control is required.

Operating Temperature Limit:
 40°F to 250°F (4°C to 121°C) faced

Thickness	in.		mm	
	Type 75	1½	38	
	2	51		
	2.3	59		
	3	76		
Type 100	1½	38		
	2	51		
Type 150	1½	38		
	2	51		

THERMAL PERFORMANCE – INSTALLED R - VALUE @ 75°F (24°C) MEAN TEMP.

Type	(in)	(mm)	(hr•ft ² •°F)/Btu	m ² •°C/W
75	1½	38	4.2	0.74
75	2	51	5.6	0.99
75	2.3	59	6.5	1.15
75	3	76	8.3	1.46
100	1½	38	4.5	0.79
100	2	51	6.0	1.06
150	1½	38	4.7	0.83
150	2	51	6.3	1.11

ASTM C 553-92
 • Type II – Type 75, 100 and 150
 • Type III – Type 150
 ASTM C 1290-95
 ASTM C 1139-90, Type II
 • Grade I – Type 75 Faced
 • Grade II – Type 100 Faced
 • Grade III – Type 150 Faced
 ASMT E 84, FHC 25/50 – FSK Facing
 ASTM C 1136, Type II – FSK Facing
 NYC MEA # 40-75-M
 Canada: CGSB 51-GP-11M
 CAN/ULC S102-M88