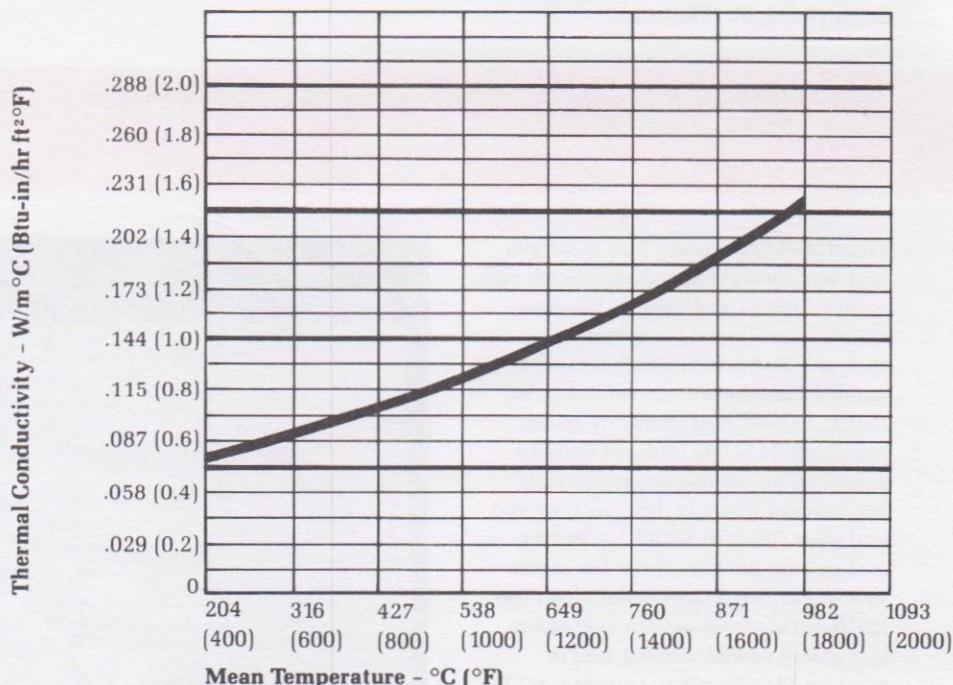


Typical Applications

- Rigid high temperature gaskets and seals
- High temperature baffles and muffles
- Flue and chimney linings in furnaces and kilns
- Infrared element supports
- Glass tank side and endwall and port neck insulation
- Trough and distribution linings for conveying molten metals
- Thermal insulation where high velocities are encountered
- Heat shields for personnel protection
- Hot gas duct linings
- Low and high temperature driers
- Furnace linings
- Refractory backup for brick and castable
- Pouring forms for castables
- Expansion joint material

Duraboard LD**Thermal Conductivity vs Mean Temperature (per ASTM C177)******Duraboard LD ****

Hot Face °C (°F)	Insulation Thickness - mm (inches)										
	Cold Face Temperature - °C (°F)										
6 (1/4)	13 (1/2)	25 (1)	38 (1 1/2)	51 (2)	64 (2 1/2)	76 (3)	89 (3 1/2)	102 (4)	127 (5)		
538 (1000)	241 (466)	179 (354)	128 (262)	104 (219)	90 (194)	80 (176)	73 (164)	68 (155)	64 (147)	58 (136)	
593 (1100)	262 (504)	194 (382)	139 (282)	113 (235)	97 (206)	87 (188)	79 (174)	73 (163)	68 (155)	62 (143)	
649 (1200)	283 (542)	210 (410)	150 (302)	122 (251)	104 (220)	93 (199)	84 (184)	78 (173)	73 (164)	66 (150)	
704 (1300)	304 (579)	226 (439)	161 (322)	131 (267)	112 (234)	99 (211)	91 (195)	83 (182)	78 (172)	69 (157)	
760 (1400)	325 (617)	242 (468)	173 (343)	140 (284)	120 (248)	106 (223)	97 (206)	89 (192)	83 (181)	74 (165)	
816 (1500)	346 (655)	258 (497)	184 (364)	149 (301)	128 (262)	113 (236)	103 (217)	94 (202)	88 (190)	78 (173)	
871 (1600)	367 (692)	274 (526)	197 (386)	159 (318)	136 (277)	121 (249)	109 (229)	101 (213)	94 (200)	83 (181)	
927 (1700)	388 (730)	291 (555)	209 (408)	169 (336)	145 (293)	128 (263)	116 (241)	107 (224)	99 (210)	88 (190)	
982 (1800)	409 (768)	307 (585)	221 (430)	179 (355)	153 (308)	136 (276)	123 (253)	113 (235)	105 (221)	93 (199)	
1038 (1900)	429 (805)	323 (614)	234 (453)	189 (373)	162 (324)	144 (291)	130 (266)	119 (247)	111 (231)	98 (208)	
1093 (2000)	450 (842)	340 (644)	246 (475)	200 (392)	172 (341)	152 (305)	137 (279)	126 (259)	117 (242)	103 (218)	
1149 (2100)	471 (879)	357 (674)	259 (499)	211 (412)	181 (358)	160 (320)	145 (293)	133 (271)	123 (254)	109 (228)	
1204 (2200)	491 (916)	373 (704)	272 (522)	222 (431)	191 (375)	169 (336)	152 (306)	140 (284)	130 (266)	114 (238)	
1260 (2300)	512 (954)	390 (734)	285 (545)	233 (451)	200 (392)	177 (351)	161 (321)	147 (297)	137 (278)	120 (248)	

**All heat flow calculations are based on a surface emissivity factor of .90, an ambient temperature of 27°C (80°F), and zero wind velocity, unless otherwise stated. All thermal conductivity values for Fiberfrax materials have been measured in accordance with ASTM Test Procedure C-177. When comparing similar data, it is advisable to check the validity of all thermal conductivity values and ensure the resulting heat flow calculations are based on the same condition factors. Variations in any of these factors will result in significant differences in the calculated data.



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