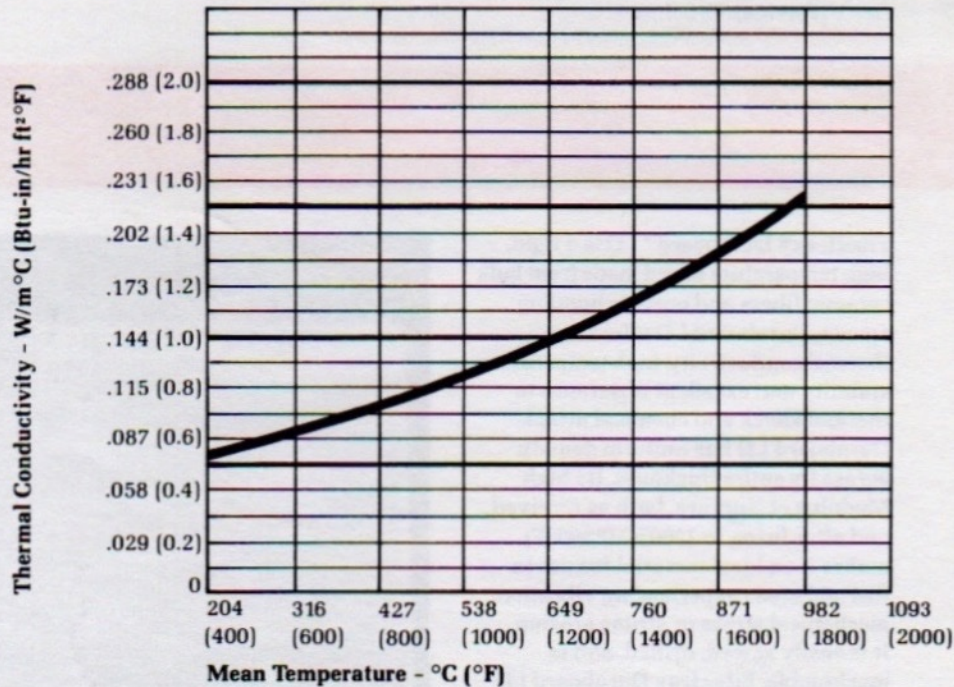




Duraboard LD
Thermal Conductivity vs Mean Temperature (per ASTM C177)**



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Duraboard LD **

Hot Face °C (°F)	Insulation Thickness - mm (inches)										
	Cold Face Temperature - °C (°F)										
	6 (¼)	13 (½)	25 (1)	38 (1½)	51 (2)	64 (2½)	76 (3)	89 (3½)	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.