



thermocool sheet pakistan

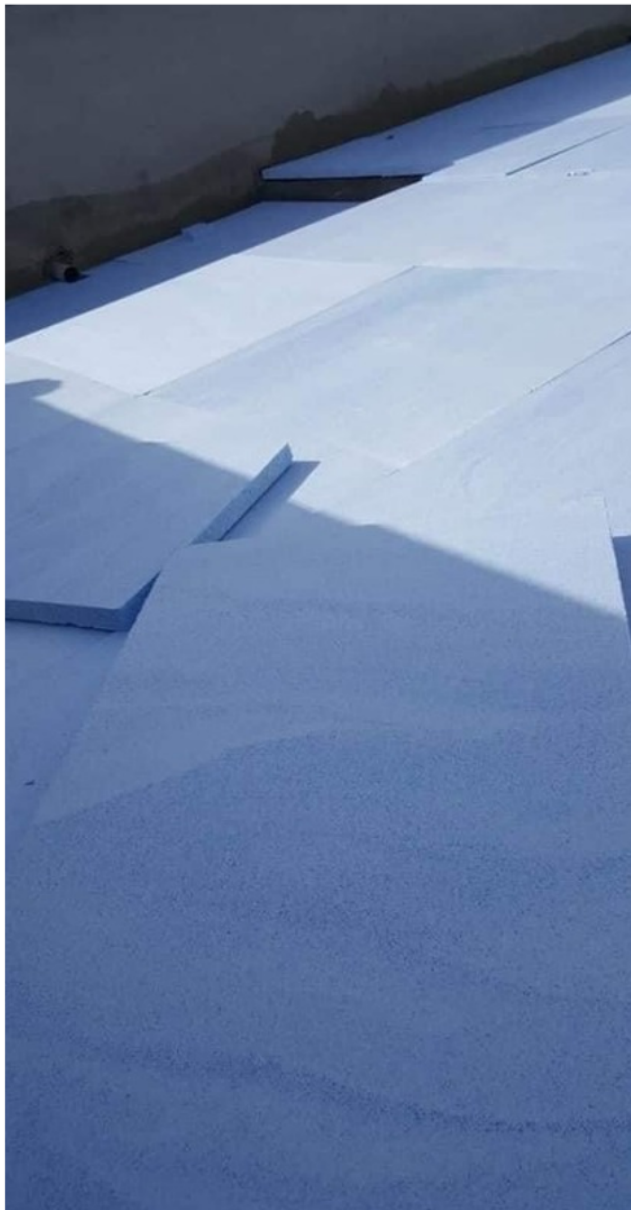


Technical Data Sheet

Property		ASTM C578						
		Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
Nominal Density	lb/ft ³ (kg/m ³)	0.75 (12)	1.00 (16)	1.25 (20)	1.50 (24)	2.00 (32)	2.50 (40)	3.00 (48)
Density ¹ , min.	lb/ft ³ (kg/m ³)	0.70 (12)	0.90 (15)	1.15 (18)	1.35 (22)	1.80 (29)	2.40 (38)	2.85 (46)
Design Thermal Resistance per 1.0 in. thickness	25°F °F.ft ² .h/Btu (°K.m ² /W)	3.60 (0.63)	4.35 (0.77)	4.55 (0.80)	4.76 (0.84)	5.00 (0.88)	5.00 (0.89)	5.10 (0.90)
	40°F °F.ft ² .h/Btu (°K.m ² /W)	3.43 (0.60)	4.17 (0.73)	4.25 (0.75)	4.55 (0.80)	4.76 (0.84)	4.76 (0.84)	4.85 (0.85)
	75°F °F.ft ² .h/Btu (°K.m ² /W)	3.22 (0.57)	3.85 (0.68)	3.92 (0.69)	4.17 (0.73)	4.35 (0.77)	4.35 (0.77)	4.45 (0.78)
Thermal Resistance ¹ , min per 1.0 in. thickness	25°F °F.ft ² .h/Btu (°K.m ² /W)	3.45 (0.61)	4.20 (0.74)	4.40 (0.77)	4.60 (0.85)	4.80 (0.84)	4.80 (0.84)	4.90 (0.86)
	40°F °F.ft ² .h/Btu (°K.m ² /W)	3.30 (0.58)	4.00 (0.70)	4.20 (0.74)	4.40 (0.77)	4.60 (0.81)	4.60 (0.81)	4.70 (0.83)
	75°F °F.ft ² .h/Btu (°K.m ² /W)	3.10 (0.55)	3.60 (0.63)	3.80 (0.67)	4.00 (0.70)	4.20 (0.74)	4.20 (0.74)	4.30 (0.76)
Compressive Strength ¹ @ 10% deformation, min.	psi (kPa)	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)	40.0 (276)	60.0 (414)
Flexural Strength ¹ , min.	psi (kPa)	10.0 (69)	25.0 (173)	30.0 (208)	35.0 (242)	50.0 (345)	60.0 (414)	75.0 (517)

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