

STATE STANDARDS OF FOAM CONCRETE

DENSITY			COMPRESSIVE STRENGTH			INSULATION VALUES	
Density grade	KG/M3 kilogram/cubic meter	LB/FT3 pound/cubic foot	KG/CM2	MPA	PSI	Coefficient of thermal conductivity, W / (m·°C)	R-Value per inch
D100	70-120	4,37-7,49	2.75	0.27	39.16	0.052	3.64
D150	120-170	7,49-10,61	3.57	0.35	50.76	0.058	3.35
D200	170-220	10,61-13,73	5.1	0.5	72.52	0.065	3,07
D250	220-270	13,73-16,86	6.22	0.61	88.47	0.072	2,84
D300	270-320	16,86-19,98	7.04	0.69	100.07	0.080	2,67
D350	320-370	19,98-23,10	8.26	0.81	117.48	0.090	2,50
D400	370-420	23,10-26,22	11.01	1.08	156.64	0.100	2,33
D500	420-530	26,22-33,09	18.66	1.83	265.42	0.120	2,10
D600	530-630	33,09-39,33	22.02	2.16	313.28	0.140	1,93
D700	630-740	39,33-46,20	27.53	2.7	391.60	0.180	1,70
D800	740-840	46,20-52,44	38.55	3.78	548.24	0.210	1,59
D900	840-950	52,44-59,31	55.06	5.4	783.20	0.240	1,48
D1000	950-1050	59,31-65,55	82.60	8.1	1174.80	0.290	1,36
D1100	1050-1150	65,55-71,79	102.79	10.8	1566.41	0.340	1,30