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T E C H N I C A L B U L L E T I N

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GEOFOAM LOW DENSITY CELLULAR CONCRETE  
NEAT CEMENT MIX DESIGN (1)

Wet/Cast Density lb/ft <sup>3</sup>	Dry Density lb/ft <sup>3</sup>	Compressive Strength(2) lb/in <sup>2</sup>	"k" Thermal Conductivity Btu in/h ft <sup>2</sup> °F	Portland Cement lbs/yd <sup>3</sup>	Foam Volume ft <sup>3</sup> /yd <sup>3</sup>	Foam Liquid Concentrate Weight,lb/yd <sup>3</sup>
20	16	20	0.54	328	22.7	2.17
25	20	40	0.60	420	21.5	2.06
30	25	80	0.67	512	20.3	1.94
35	29	120	0.76	603	19.1	1.83
40	34	160	0.87	695	17.9	1.71
45	38	200	0.98	787	16.7	1.60
50	43	240	1.06	878	15.5	1.48

(1) Water/cement Ratio = 0.50

The water/cement ratio is a critical factor in each mix design and should be carefully controlled to achieve the above indicated properties.

(2) Method of ASTM C 495

Actual properties will depend on cement used, curing conditions and other variables as dictated by job conditions.

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