



ARDEN
LOMBARDO

TYPICAL NEAT CEMENT MIXES

The above chart illustrates the various typical properties of weight/density and compressive strength values attainable with various volumes of pre-formed foam additions to neat cement mixes. Please contact Arden Lombardo for an exact mix design recommendation. DO NOT USE THIS CHART FOR SUBMITTALS OF ACTUAL MIX DESIGNS BUT JUST AS A MIX DESIGN GUIDELINE.

DO NOT USE FOR CALCULATION OF FIELD QUANTITIES.

CAST DENSITY		AVG. COMPRESSIVE STRENGTH (28 DAYS)		PORTLAND CEMENT		WATER		AVERAGE FOAM VOLUME	
lb/ft ³	kg/m ³	psi	MPa	lb/yd ³	kg/m ³	gal	L	ft ³ /yd ³	m ³ /m ³
20	320	50	0.34	328	195	20	98	22.7	0.84
25	400	80	0.55	420	249	25	125	21.5	0.80
30	481	140	0.97	512	304	31	152	20.3	0.75
35	561	210	1.45	603	358	36	179	19.1	0.71
40	641	330	2.28	695	412	42	206	17.9	0.66
45	721	450	3.10	787	467	47	234	16.7	0.62
50	801	640	4.41	878	521	53	260	15.5	0.57
55	881	790	5.45	970	575	58	288	14.3	0.53
60	961	930	6.41	1062	630	64	315	13.1	0.49