



ARDEN
LOMBARDO



SAND/CEMENT GROUT MIXES

The bottom chart illustrates the various typical properties of weight/density and compressive strength values attainable with various volumes of pre-formed foam additions to sand/cement grout 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		SAND		WATER		AVERAGE FOAM VOLUME	
lb/ft ³	kg/m ³	psi	MPa	lb/yd ³	kg/m ³	lb/yd ³	kg/m ³	gal	L	ft ³ /yd ³	m ³ /m ³
90	1492	400	2.76	512	304	1640	973	33	162	10.1	0.37
95	1522	750	5.17	542	322	1730	1026	35	171	9.1	0.34
100	1602	1000	6.89	570	338	1815	1077	37	181	8.2	0.30
105	1682	1500	10.34	600	356	1915	1136	38	196	7.3	0.27
110	1762	2000	13.79	630	374	2010	1192	40	199	6.4	0.24
115	1842	2500	17.24	658	390	2100	1246	42	208	5.4	0.20
120	1922	3000	20.68	688	408	2190	1299	44	217	4.5	0.17
125	2002	3500	24.13	714	424	2280	1353	46	226	3.5	0.13