

PROPERTIES AND GRADATIONS

STALITE Lightweight Aggregate

MASONRY APPLICATIONS

	Tank A	Tank B	Tank C	Tank D	Tank E	Tank F	Tank G	MS16
Typical Density (unit weight)	lbs/cf	lbs/cf	lbs/cf	lbs/cf	lbs/cf	lbs/cf	lbs/cf	lbs/cf
Damp Loose (ASTM C29)	53 - 57	53 - 57	53 - 57	53 - 57	53 - 57	53 - 57	53 - 57	53 - 57
kg/m ³	850 - 910	850 - 910	850 - 910	850 - 910	850 - 910	850 - 910	850 - 910	850 - 910
Sieve Size	% Retained	% Retained	% Retained	% Retained	% Retained	% Retained	% Retained	% Retained
#4 (4.75mm)	11 - 14	11 - 17	5 - 11	3 - 9	4 - 10	1 - 6	20 - 27	60 - 95
#8 (2.36mm)	32 - 52	32 - 52	30 - 48	25 - 41	26 - 40	17 - 33	47 - 65	80 - 100
#16 (1.18mm)	54 - 70	56 - 72	52 - 68	45 - 61	43 - 61	45 - 61	64 - 78	90 - 100
#30 (600µm)	70 - 82	70 - 82	67 - 80	62 - 77	59 - 72	62 - 77	75 - 85	-
#50 (300µm)	75 - 86	78 - 88	77 - 87	73 - 85	70 - 85	73 - 85	82 - 90	-
#100 (150µm)	83 - 90	85 - 90	84 - 91	81 - 91	78 - 88	81 - 91	87 - 95	-
Fineness Modulus								
F.M.	3.25 - 3.94	3.32 - 4.03	3.15 - 3.85	2.89 - 3.64	2.80 - 3.56	2.79 - 3.53	3.75 - 4.40	-