

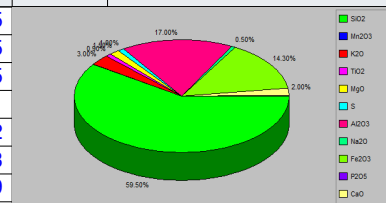
AR 4/8-650

Product : Expanded Clay

Client : Quality Control Argex
 Tel.: +32/32.50.15.08
 Fax: +32/32.50.15.28

Lab	Quality Control Argex Tel.: 0032/32.50.15.08 Fax.: 0032/32.50.15.28
Aggregate Size	4/8 mm
Certifications	CE: EN 13055-1, EN 13055-2 : BSB NL (GR-019/1), ISO 9001:2000
CE: EN 13055-1, EN 13055-2	Lightweight aggregates: -Part 1: Lightweight aggregates for concrete, mortar and grout -Part 2: Lightweight aggregates for bituminous mixtures and surface treatments and for unbound and bound applications

TESTS	Minimum	Average	Maximum	Declared	Standard
Particle Shape		Round			EN 13055-1
Crushing Resistance (T-2x30")	7.50	10.37 N/mm ²	11.60		EN 13055-1
Loose Bulk Density	552	655 kg/m ³	748	650	EN 1097-3
Particle Density	980	1147 kg/m ³	1280	1140	EN 1097-6
Freezing & Thawing Resistance		3.3 %		4	EN 13055-1
Los Angeles + Micro Deval (4-6.3)		NPD*			EN 1097-1 & 2
Los-Angeles (4-6.3)		NPD*			EN 1097-2
Polished Stone Value		NPD*			EN 1097-8
Volume Stability		0.12 %			EN 13055-1
Water Content	0.0	6.6 %	45.0		EN 1097-5
Water Absorption (5')	4.00	8.01 %	14.00		EN 1097-6
Water Absorption (30')	6.00	10.72 %	16.00		EN 1097-6
Water Absorption (24h)	15.00	19.34 %	25.00		EN 1097-6
Alkali Silica Reactivity		Not Relevant			EN 13055-1
Chemical Analysis Argex		100.00 %			
SiO ₂	55	59.50 %	65		
Mn ₂ O ₃	0.15	0.20 %	0.25		
K ₂ O	1.5	3.00 %	3.5		
TiO ₂	0.8	0.90 %	1		
MgO	1	1.50 %	2		
S	0.7	1.00 %	1.3		
Al ₂ O ₃	15	17.00 %	19		
Na ₂ O	0.3	0.50 %	0.7		
Fe ₂ O ₃	12	14.30 %	16		
P ₂ O ₅	0.05	0.10 %	0.15		
CaO	1	2.00 %	3		
Chloride		0.005 %		0.02	EN 1744-1
Cleanliness		OK			EN 1744-1
Emission Of Radioactivity		NPD*			EN 13055-1
Loss on Ignition		-0.18 %		5	EN 1744-1
Release Of Heavy Metals		NPD*			EN 13055-1
Release Of Other Dangerous Substances		NPD*			EN 13055-1
Release Of Polyaromatic Carbons		NPD*			EN 13055-1
Reaction To Fire		A1			EN 13501-1
Total Sulphur		0.305 %		0.8	EN 1744-1
Acid-Soluble Sulfate		0.079 %		0.8	EN 1744-1



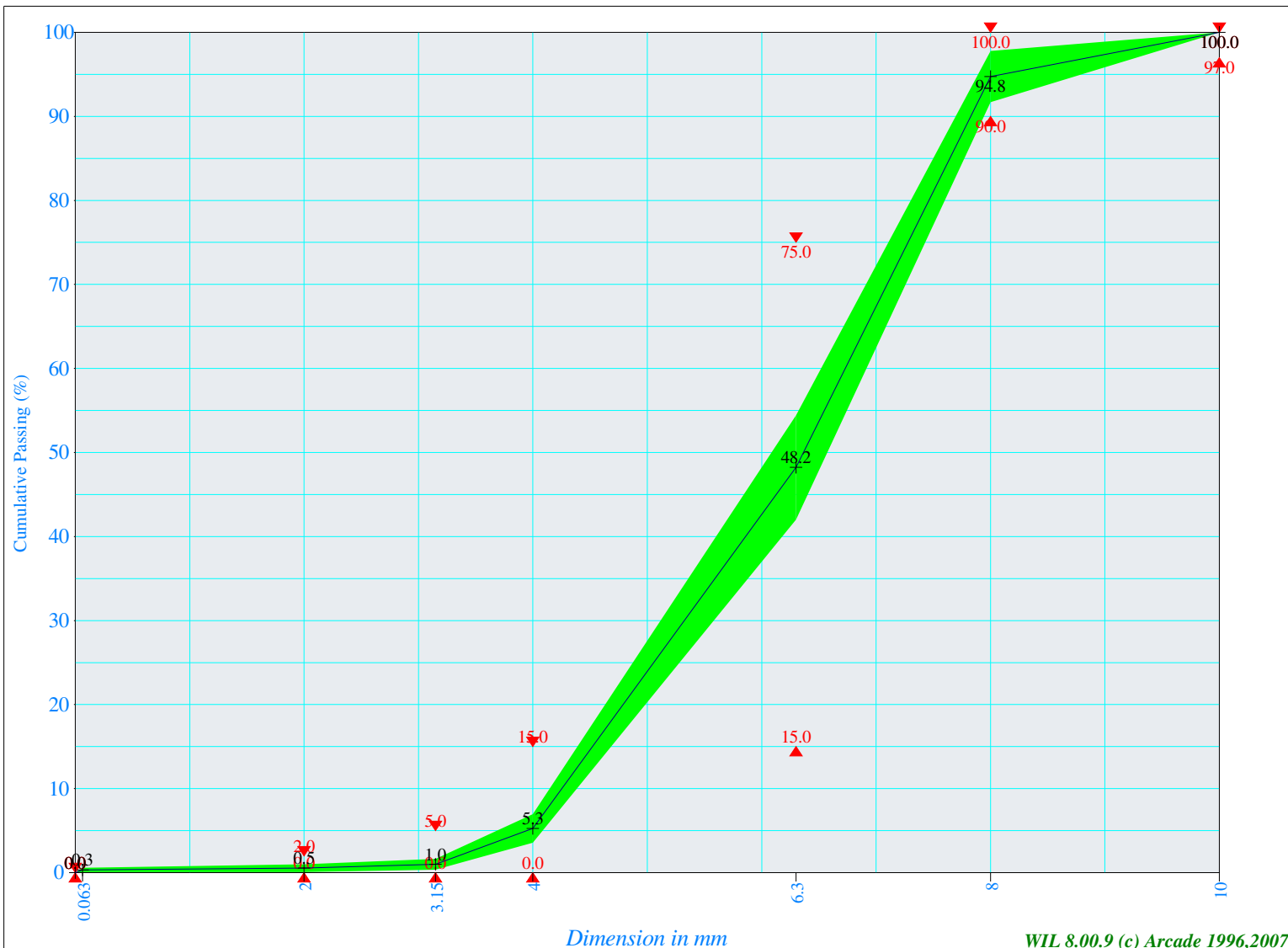
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Grading (Standard EN 933-1)				
Mass				
Sieve (mm)	Minimum	% passing	Maximum	Declared
0.000	0.0	0.0	0.0	0.0
0.063			0.3	
2.000	0.0		0.5	2.0
3.150	0.0		1.0	5.0
4.000	0.0		5.3	15.0
6.300	15		48	75
8.000	90		95	100
10.000	97		100	100



NPD* = No Performance Determined