

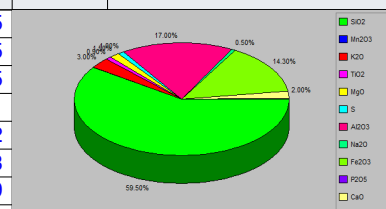
AR 4/10-430

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	4/10 mm
Certifications	CE: EN 13055-1, EN 13055-2 : BSB NL (GR-019/1), KOMO (LT-001/1), 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")	1.00	1.96 N/mm ²	3.50		EN 13055-1
Loose Bulk Density	366	436 kg/m ³	494	430	EN 1097-3
Particle Density	638	738 kg/m ³	862	750	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	2.6 %	120.0		EN 1097-5
Water Absorption (5')	7.00	12.13 %	23.00		EN 1097-6
Water Absorption (30')	10.00	15.78 %	27.00		EN 1097-6
Water Absorption (24h)	16.00	23.65 %	40.00		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		0.257 %		0.8	EN 1744-1
Acid-Soluble Sulfate		0.030 %		0.8	EN 1744-1



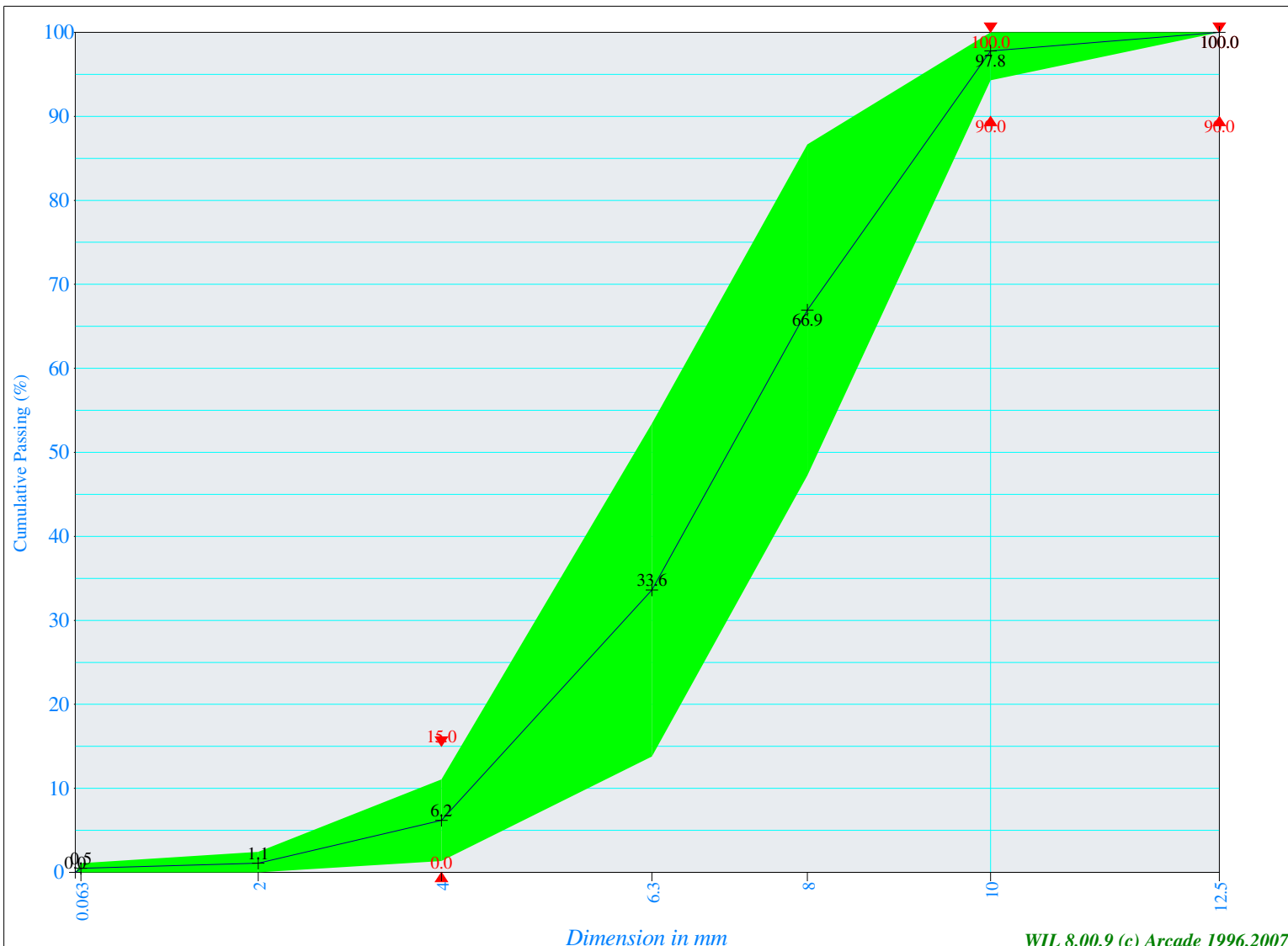
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Grading (Standard EN 933-1)				
Mass				
Sieve (mm)	Minimum	% passing	Maximum	Declared
0.000		0.0		
0.063		0.5		
2.000		1.1		
4.000	0.0	6.2	15.0	
6.300		34		
8.000		67		
10.000	90	98	100	
12.500	90	100	100	



NPD* = No Performance Determined