

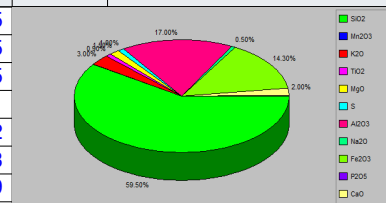
## AG 0/4-500

**Product : Expanded Clay**

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

<b>Lab</b>	Quality Control Argex Tel.: 0032/32.50.15.08 Fax.: 0032/32.50.15.28
<b>Aggregate Size</b>	0/4 mm
<b>Certifications</b>	CE: EN 13055-1, EN 13055-2 : KOMO (LT-001/1), BSB NL(GR-019/1), ISO 9000:2001
<b>CE: EN 13055-1, EN 13055-2</b>	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
<b>Particle Shape</b>		Crushed			EN 13055-1
<b>Crushing Resistance (T-2x30")</b>		Not Relevant			EN 13055-1
<b>Estimated Particle Density</b>	744	863 kg/m <sup>3</sup>	1006	875	
<b>Loose Bulk Density</b>	425	493 kg/m <sup>3</sup>	575	500	EN 1097-3
<b>Freezing &amp; Thawing Resistance</b>		3.3 %		4	EN 13055-1
<b>Los Angeles + Micro Deval (4-6.3)</b>		NPD*			EN 1097-1 & 2
<b>Los-Angeles (4-6.3)</b>		NPD*			EN 1097-2
<b>Polished Stone Value</b>		NPD*			EN 1097-8
<b>Volume Stability</b>		0.12 %			EN 13055-1
<b>Water Content</b>	0.0	3.5 %	40.0		EN 1097-5
<b>Water Absorption (5')</b>		Not Relevant			EN 1097-6
<b>Water Absorption (30')</b>		Not Relevant			EN 1097-6
<b>Water Absorption (24h)</b>		Not Relevant			EN 1097-6
<b>Alkali Silica Reactivity</b>		Not Relevant			EN 13055-1
<b>Chemical Analysis Argex</b>		100.00 %			
SiO <sub>2</sub>	55	59.50 %	65		
Mn <sub>2</sub> O <sub>3</sub>	0.15	0.20 %	0.25		
K <sub>2</sub> O	1.5	3.00 %	3.5		
TiO <sub>2</sub>	0.8	0.90 %	1		
MgO	1	1.50 %	2		
S	0.7	1.00 %	1.3		
Al <sub>2</sub> O <sub>3</sub>	15	17.00 %	19		
Na <sub>2</sub> O	0.3	0.50 %	0.7		
Fe <sub>2</sub> O <sub>3</sub>	12	14.30 %	16		
P <sub>2</sub> O <sub>5</sub>	0.05	0.10 %	0.15		
CaO	1	2.00 %	3		
<b>Chloride</b>		0.005 %		0.02	EN 1744-1
<b>Cleanliness</b>		OK			EN 1744-1
<b>Emission Of Radioactivity</b>		NPD*			EN 13055-1
<b>Loss on Ignition</b>		-0.18 %		5	EN 1744-1
<b>Release Of Heavy Metals</b>		NPD*			EN 13055-1
<b>Release Of Other Dangerous Substances</b>		NPD*			EN 13055-1
<b>Release Of Polyaromatic Carbons</b>		NPD*			EN 13055-1
<b>Reaction To Fire</b>		A1			EN 13501-1
<b>Total Sulphur</b>		0.594 %		0.8	EN 1744-1
<b>Acid-Soluble Sulfate</b>		0.078 %		0.8	EN 1744-1



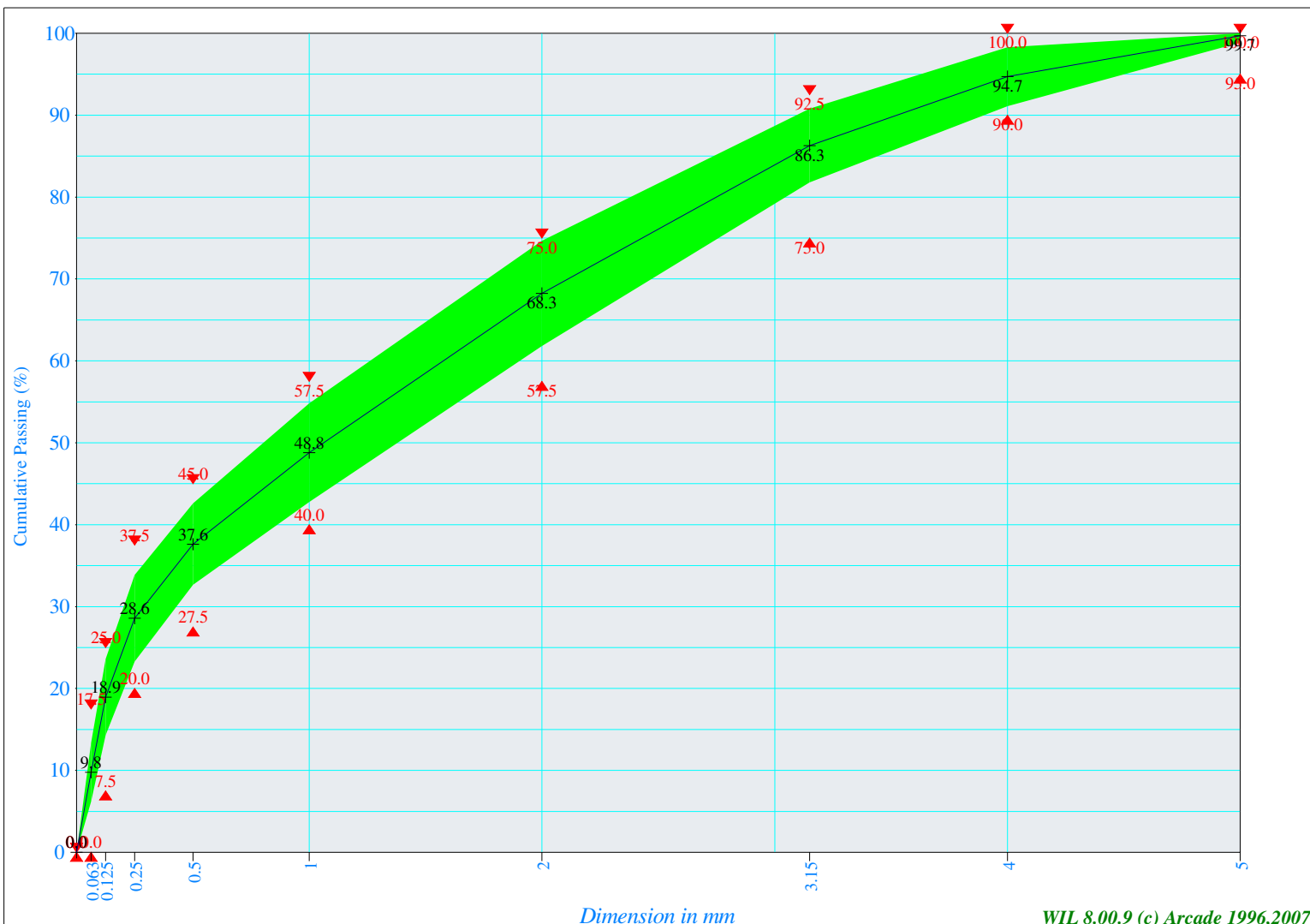
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Grading (Standard EN 933-1)				
Mass				
Sieve (mm)	Minimum	% passing	Maximum	Declared
0.000	0.0	0.0	0.0	0.0
0.063	0.0	9.8	17.5	17.5
0.125	8	19	25	25
0.250	20	29	38	38
0.500	28	38	45	45
1.000	40	49	58	58
2.000	58	68	75	75
3.150	75	86	93	93
4.000	90	95	100	100
5.000	95	100	100	100



NPD\* = No Performance Determined