

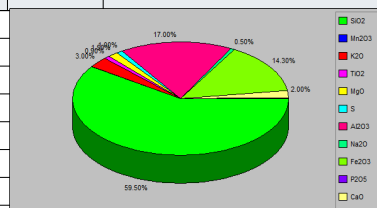
## AM 4/8-750

**Product : Expanded Clay**

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

<b>Lab</b>	
<b>Aggregate Size</b>	4/8 mm
<b>Certifications</b>	CE: EN 13055-1, EN 13055-2 : BSB NL (GR-019/1), KOMO (LT-001/1), ISO 9001:2000
<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>		Mix			EN 13055-1
<b>Crushing Resistance (T-2x30")</b>	10.00	20.61 N/mm <sup>2</sup>	23.00		EN 13055-1
<b>Loose Bulk Density</b>	650	793 kg/m <sup>3</sup>	850	750	EN 1097-3
<b>Particle Density</b>	1160	1397 kg/m <sup>3</sup>	1460	1310	EN 1097-6
<b>Freezing &amp; Thawing Resistance</b>		3.3 %		4	EN 13055-1
<b>Los-Angeles (4-6.3)</b>		22		LA 30	EN 1097-2
<b>Los Angeles + Micro Deval (4-6.3)</b>		53		65	EN 1097-1 & 2
<b>Polished Stone Value</b>	60	69		PSV 62	EN 1097-8
<b>Volume Stability</b>		0.12 %			EN 13055-1
<b>Water Content</b>	0.0	14.2 %	40.0		EN 1097-5
<b>Water Absorption (5')</b>	5.00	7.97 %	10.00		EN 1097-6
<b>Water Absorption (30')</b>	10.00	11.01 %	15.00		EN 1097-6
<b>Water Absorption (24h)</b>	15.00	18.72 %	25.00		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>		0.569 %		0.8	EN 1744-1
<b>Acid-Soluble Sulfate</b>		0.080 %		0.8	EN 1744-1



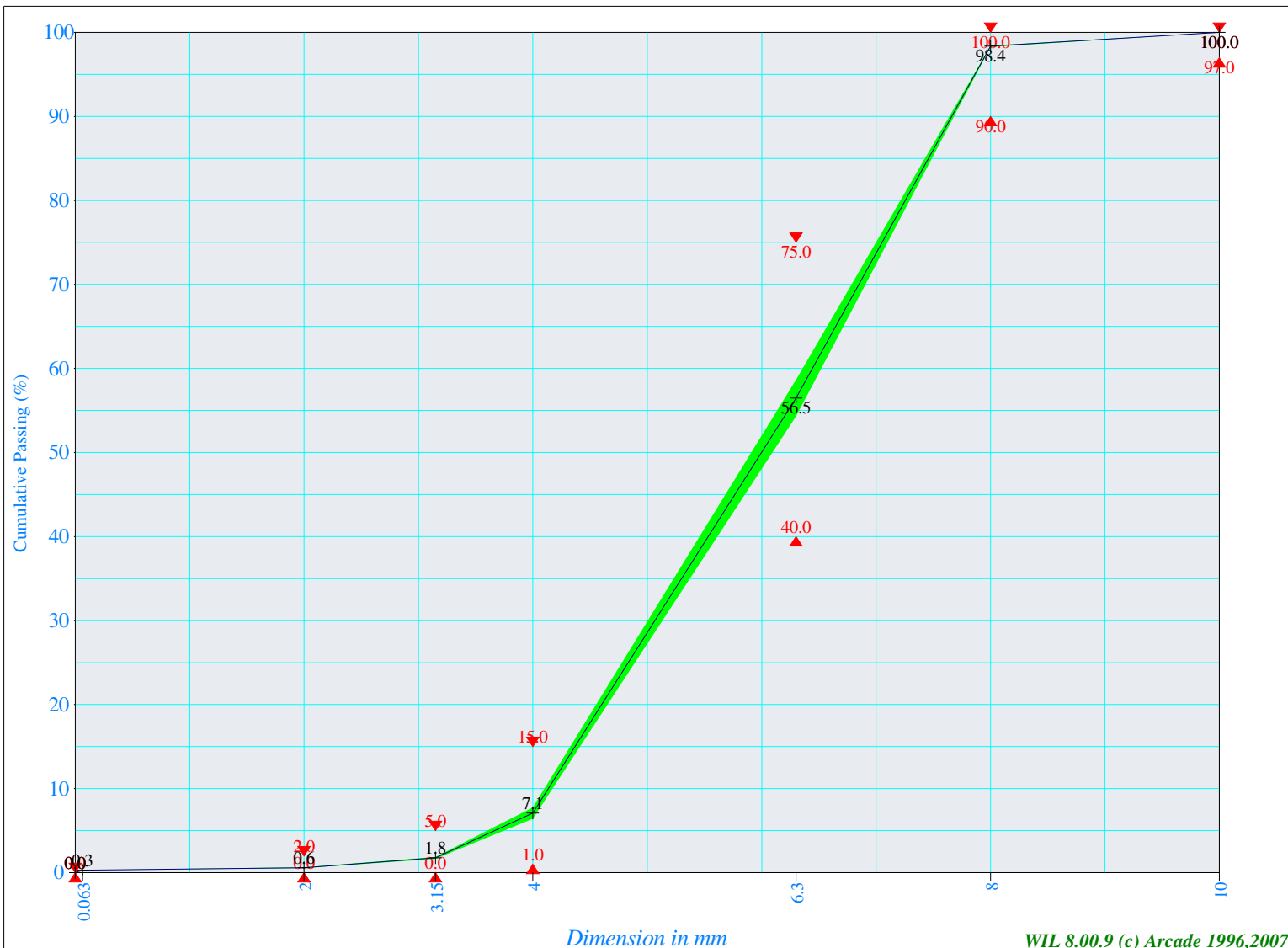
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Grading (Standard EN 933-1)				
Mass				
Sieve (mm)	Minimum	% passing	Maximum	Declared
0.000	0.0	0.0	0.0	0.0
0.063			0.3	
2.000	0.0		0.6	2.0
3.150	0.0		1.8	5.0
4.000	1.0		7.1	15.0
6.300	40		56	75
8.000	90		98	100
10.000	97		100	100



NPD\* = No Performance Determined