

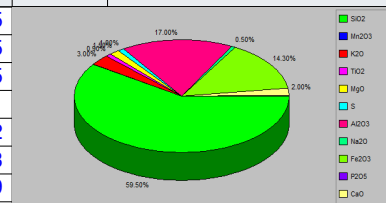
## AG 1/5-390

**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>	1/5 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>		Crushed			EN 13055-1
<b>Crushing Resistance (T-2x30")</b>		Not Relevant			EN 13055-1
<b>Estimated Particle Density</b>	581	651 kg/m <sup>3</sup>	785	683	
<b>Loose Bulk Density</b>	332	372 kg/m <sup>3</sup>	448	390	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	1.9 %	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



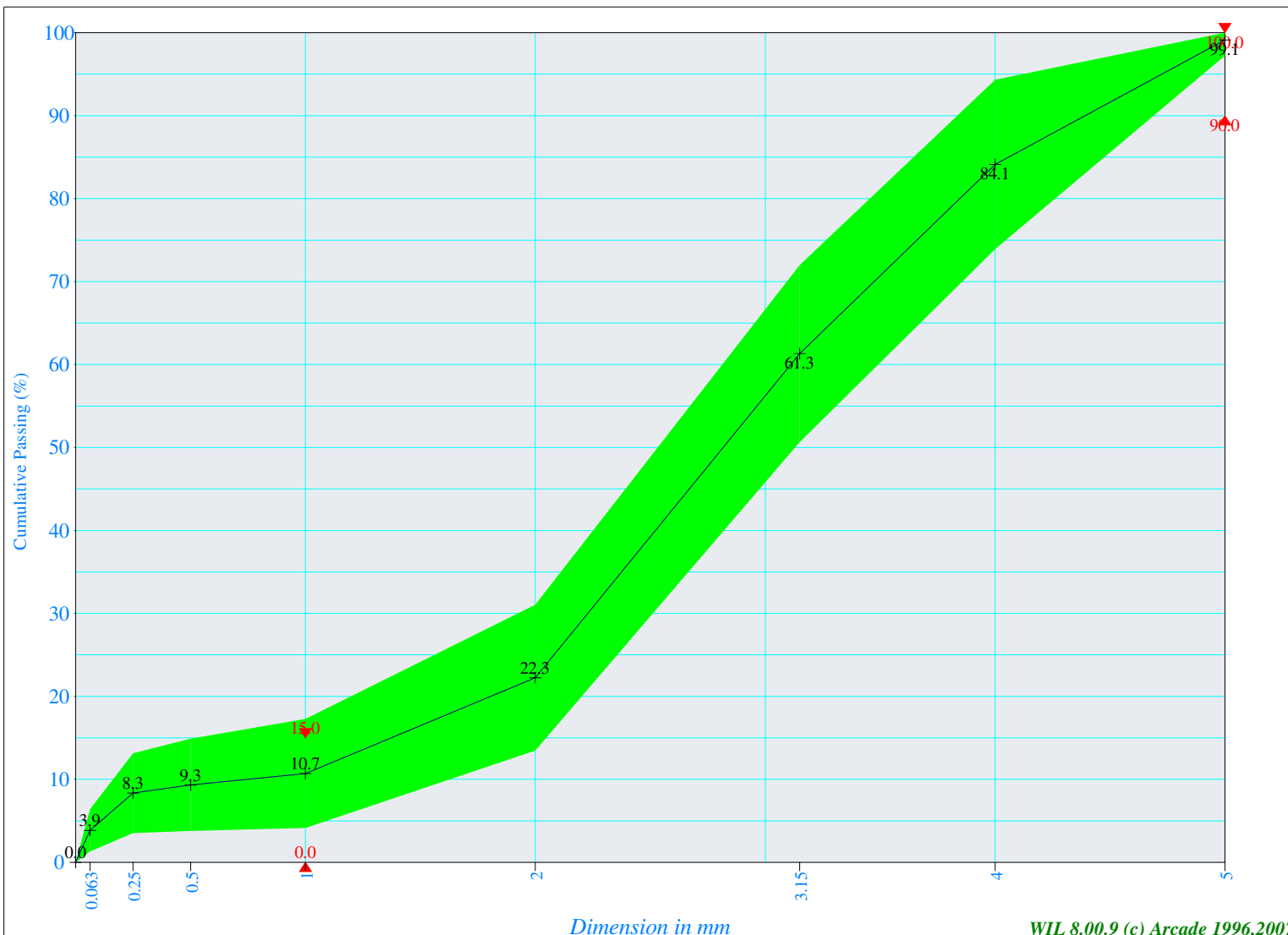
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Grading (Standard EN 933-1)				
Mass				
Sieve (mm)	Minimum	% passing	Maximum	Declared
0.000			0.0	
0.063			3.9	
0.250			8.3	
0.500			9.3	
1.000	0		11	15
2.000			22	
3.150			61	
4.000			84	
5.000	90		99	100



NPD\* = No Performance Determined