

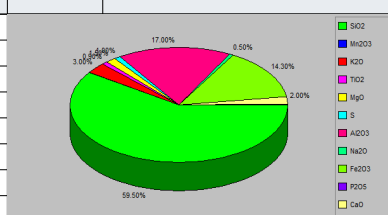
## AR 8/16-340

**Product : Expanded Clay**

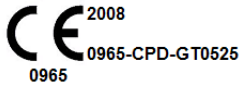
**Client : Quality Control Argex**  
**Tel.: +32/32.50.15.08**  
**Fax: +32/32.50.15.28**

<b>Lab</b>	
<b>Aggregate Size</b>	8/16 mm
<b>Certifications</b>	CE:EN 13055-1, EN 13055-2, EN 14063-1 : BSB NL (GR-019/1). KOMO (LT-001/1). ISO 9001:2000
<b>CE:EN 13055-1, EN 13055-2, EN 14063-1</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
	Thermal insulation materials and products - In-situ formed expanded clay lightweight aggregate products (LWA) - Part 1: Specification for the loose-fill products before installation

TESTS	Minimum	Average	Maximum	Declared	Standard
<b>Particle Shape</b>		Round			EN 13055-1
<b>Crushing Resistance (T-2x30")</b>	0.60	0.93 N/mm <sup>2</sup>	1.30		EN 13055-1
<b>Loose Bulk Density</b>	289	338 kg/m <sup>3</sup>	391	340	EN 1097-3
<b>Particle Density</b>	510	631 kg/m <sup>3</sup>	690	600	EN 1097-6
<b>Freezing &amp; Thawing Resistance</b>		1.5 %		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>		0.04 %			EN 13055-1
<b>Water Content</b>	0.0	2.8 %	120.0		EN 1097-5
<b>Water Absorption (5')</b>	13.00	18.06 %	25.00		EN 1097-6
<b>Water Absorption (30')</b>	16.00	21.75 %	32.00		EN 1097-6
<b>Water Absorption (24h)</b>	25.00	35.67 %	50.00		EN 1097-6
<b>Thermal Conductivity "Declared Value"</b>		0.103 W/mK			EN 12667
<b>Thermal Conductivity "Design Value"</b>		0.180 W/mK			TNO B83-33
<b>Thermal Conductivity "Design Value" (Coating)</b>		0.169 W/mK			TNO B83-33
<b>Water Suction Height</b>		255 mm			EN 1097-10
<b>Water Suction Height (Coating)</b>		35 mm			EN 1097-10
<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>		0.004 %		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>		0.202 %		0.8	EN 1744-1
<b>Acid-Soluble Sulfate</b>		0.030 %		0.8	EN 1744-1



NPD\* = No Performance Determined



# ARGEX NV

Kruibeeksesteenweg 227-229  
B-2070 Burcht-Zwijndrecht  
BELGIUM

# Technical Sheet

du 1/01/2007 to 31/12/2007

## AR 8/16-340

**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>	8/16 mm
<b>Certifications</b>	CE:EN 13055-1, EN 13055-2, EN 14063-1 : BSB NL (GR-019/1). KOMO (LT-001/1). ISO 9001:2000
<b>CE:EN 13055-1, EN 13055-2, EN 14063-1</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
	Thermal insulation materials and products - In-situ formed expanded clay lightweight aggregate products (LWA) - Part 1: Specification for the loose-fill products before installation

Grading (Standard EN 933-1)		Minimum	% passing	Maximum	Declared
Mass					
Sieve (mm)					
0.000				0.0	
0.063				0.8	
6.300				3.0	
8.000		0.0		5.3	15.0
10.000				18	
12.500				65	
14.000				89	
16.000		90		98	100

