



AR 8/16-340

Client : Quality Control Argex
0032/32.50.15.15

lab	Quality Control Argex 0032/32.50.15.15
Aggregate Size	8/16 mm
Certifications	EN 13055 : EN14063-1/-2, EN15732 :NL BSB K73820 (1/01/2004)

Essential char. - performance	Minimum	Average	Maximum	Declared	Standard
Particle Shape		Round			EN 13055
Crushing Resistance (T-2x30")	0.65	1.00 N/mm ²	1.83		EN 13055
Loose Bulk Density (+- 15% of declared value)	289	365 kg/m ³	391	340	EN 1097-3
Oven-Dried Particle Density (+- 15% of declared value)	510	677 kg/m ³	690	600	EN 1097-6 annex C
Freezing & Thawing Resistance		2.3 %	3.3		EN 1367-7
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		0.22 %	0.50		EN 1367-8
Water Content (from silo)	0.0	1.1 %	15.0		EN 1097-5
Water Absorption 5'	15.32	18.97 %	21.01		EN 1097-6 annex C
Water Absorption 1h	18.29	23.39 %	27.61		EN 1097-6 annex C
Water Absorption 24h	31.63	37.10 %	38.92		EN 1097-6 annex C
Water Absorption 28 days (long term water content)		60.00 %			EN 1097-6 annex C
Shear strength-static loading/Triaxial/ Angle of friction(°)	33.7	37.2	41.0	35	EN 15732
Cohesion, c'peak		0 kPa		0	EN 15732
Compressibility - C%		16.0 %			EN 1097-11
Compressive Creep (150 kPa - 24 hours)		0.05 %		0.15	EN 15732
Confined compressive strength - CS(2)		350 kPa		270	EN 1097-11
Confined compressive strength - CS(10)		670 kPa		460	EN 1097-11
Cyclic Compression (120 kPa) after 2.000.000 cycles		3.1 %		4	EN 15732
Shear Strength-cyclic loading/Triaxial Resilient modulus	120	150 MPa	180		EN 15732
Lambda 90/90 dry 10°C		0.105 W/mK		0.105	EN 12667
Lambda ui 23°C, 50%HR		0.105 W/mK		0.105	EPB/PEB
Lambda ue		0.108 W/mK		0.108	EPB/PEB
Water Permeability		10 cm/s		10	EN 15732
Water Suction Height (Coating)		40 mm		50	EN 1097-10
Water Vapor Transmission (μ)		2		2	EN 15732
Alkali Silica Reactivity		NPD			EN 13055
Chloride		0.001 %	0.010		EN 1744-1
Cleanliness		Pass			EN 1744-1
Loss on Ignition		-0.18 %	0.50		EN 1744-1
Release Of Dangerous Substances		NPD			EN 13055
Reaction To Fire		Euroclass A1			EN 13501-1
Total Sulphur		0.17 %	0.55		EN 1744-1
Acid-Soluble Sulfate		0.053 %	0.500		EN 1744-1

Grading (EN 933-1)				
sieve (mm)	mini	% passing	maxi	Declared
0.000		0.0		
0.063		0.6		
6.300		2.6		
8.000	0.0	6.7	15.0	
10.000		32		
12.500		84		
14.000		97		
16.000	90	100	100	
20.000		100		

