

AG 0/4-500

Client : Quality Control Argex
 0032/32.50.15.15

lab	Quality Control Argex 0032/32.50.15.15
Aggregate Size	0/4 mm
Certifications	EN 13055 : EN 15732 NL BSB K73820 (1/01/2004)

Essential char. - performance	Minimum	Average	Maximum	Declared	Standard
Particle Shape		Crushed			EN 13055
Crushing Resistance (T-2x30")		NPD			EN 13055
Loose Bulk Density (+- 15% of declared value)	425	526 kg/m ³	575	500	EN 1097-3
Oven-Dried Particle Density (+- 15% of declared value)	808	954 kg/m ³	1093	950	EXCA Guideline
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	3.6 %	15.0		EN 1097-5
Water Absorption 5'	26.93	29.45 %	31.40		EXCA Guideline
Water Absorption 28 days (long term water content)		55.00 %			EN 1097-6 annex C
Shear strength-static loading/Triaxial/ Angle of friction(°)	40.8	45.0	49.9	41	EN 15732
Cohesion, c'peak		0 kPa		0	EN 15732
Compressibility - C%		26.0 %			EN 1097-11
Compressive Creep (150 kPa - 24 hours)		0.12 %		0.2	EN 15732
Confined compressive strength - CS(2)		410 kPa		300	EN 1097-11
Confined compressive strength - CS(10)		940 kPa		600	EN 1097-11
Cyclic Compression (120 kPa) after 2.000.000 cycles - Wet		4.0 %		5	EN 15372
Shear Strength-cyclic loading/Triaxial Resilient modulus	100	125 MPa	150		EN 15732
Water Permeability		0.006 cm/s		0.006	EN 15732
Water Vapor Transmission (μ)		2		2	EN 15732
Alkali Silica Reactivity		NPD			EN 13055
Chloride		0.005 %	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		0.21 %	0.55		EN 1744-1
Acid-Soluble Sulfate		0.043 %	0.500		EN 1744-1

Grading (EN 933-1)				
sieve (mm)	mini	% passing	maxi	Declared
0.000	0.0	0.0	0.0	
0.063	0	10	18	
0.125	8	19	25	
0.250	20	26	38	
0.500	28	35	45	
1.000	40	46	58	
2.000	58	64	75	
3.150	75	82	93	
4.000	90	92	100	
5.000	95	98	100	
6.300		100		

