

AG 0/4-500 - GEO

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 : DOP 2: 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	508 kg/m ³	575	500	EN 1097-3
Freezing & Thawing Resistance		2.3 %	3.3		EN 1367-7
Water Content (from silo)	0.0	4.2 %	15.0		EN 1097-5
Water Absorption 5'	28.61	30.88 %	35.16		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) - Dry		0.12 %		0.2	EN 15732
Compressive Creep (150 kPa - 24 hours) - Wet		0.06 %		0.1	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
Cyclic Compression (120 kPa) after 2.000.000 cycles - Dry		10.0 %		12	EN 15732
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
Release Of Dangerous Substances		NPD			EN 13055
Reaction To Fire		Euroclass A1			EN 13501-1

Grading (EN 933-1)				
sieve (mm)	mini	% passing	maxi	Declared
0.000	0.0	0.0	0.0	
0.063	0	11	18	
0.125	8	20	25	
0.250	20	28	38	
0.500	28	38	45	
1.000	40	48	58	
2.000	58	67	75	
3.150	75	82	93	
4.000	90	92	100	
5.000	95	98	100	
6.300		100		

