

AR 8/16-340 - GEO

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 : DoP2: EN14063-1, EN15732 NL BSB K73820 (1/01/2004)

Essential char. - performance	Minimum	Average	Maximum	Declared	Standard
Particle Shape		Round			EN 13055
Crushing Resistance (T-2x30")	0.60	1.12 N/mm ²	2.41		EN 13055
Loose Bulk Density (+- 15% of declared value)	289	373 kg/m ³	391	340	EN 1097-3
Freezing & Thawing Resistance		2.3 %	3.3		EN 1367-7
Water Content (from silo)	0.0	1.6 %	15.0		EN 1097-5
Water Absorption 5'	15.80	18.42 %	20.04		EN 1097-6 annex C
Water Absorption 1h	19.95	22.79 %	24.73		EN 1097-6 annex C
Water Absorption 24h	32.86	35.68 %	38.21		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) - Dry		0.07 %		0.14	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 - Dry		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		2.2 cm/s		2.2	EN 15732
Water Suction Height (Coating)		40 mm		50	EN 1097-10
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		
0.063		1.0		
6.300		4.1		
8.000	0	11	15	
10.000		39		
12.500		85		
14.000		96		
16.000	90	99	100	
20.000		100		

