



# AR 8/16-340 - GEO

Client : Quality Control Argex  
 0032/32.50.15.15

<b>lab</b>	Quality Control Argex 0032/32.50.15.15
<b>Aggregate Size</b>	8/16 mm
<b>Certifications</b>	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	1.39 N/mm <sup>2</sup>	2.40		EN 13055
Loose Bulk Density (+- 15% of declared value)	289	364 kg/m <sup>3</sup>	391	340	EN 1097-3
Freezing & Thawing Resistance		2.3 %	3.3		EN 1367-7
Water Content ( from silo )	0.0	1.9 %	15.0		EN 1097-5
Water Absorption 5'	16.07	20.27 %	23.15		EN 1097-6 annex C
Water Absorption 1h	21.73	25.20 %	30.92		EN 1097-6 annex C
Water Absorption 24h	35.28	39.32 %	45.00		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(°)	32.0	34.0	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		2.5 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		BRL 9315			NL BSB K73820
Reaction To Fire		Euroclass A1			EN 13501-1

Grading ( EN 933-1 )				
sieve (mm)	mini	% passing	maxi	Declared
0.000		0.0		
0.063		0.6		
6.300		3.6		
8.000	0.0	9.5	15.0	
10.000		37		
12.500		87		
14.000		96		
16.000	90	99	100	
20.000		100		

