



# AR 4/10-430 - 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>	4/10 mm
<b>Certifications</b>	EN 13055 : DoP 2: EN 15732 NL BSB K73820 (1/01/2004)

Essential char. - performance	Minimum	Average	Maximum	Declared	Standard
Particle Shape		Round			EN 13055
Crushing Resistance (T-2x30")	1.00	2.42 N/mm <sup>2</sup>	4.40		EN 13055
Loose Bulk Density (+- 15% of declared value)	366	463 kg/m <sup>3</sup>	495	430	EN 1097-3
Freezing & Thawing Resistance		2.3 %	3.3		EN 1367-7
Water Content ( from silo )	0.0	4.6 %	15.0		EN 1097-5
Water Absorption 5'	14.17	15.81 %	17.72		EN 1097-6 annex C
Water Absorption 1h	17.01	19.56 %	22.34		EN 1097-6 annex C
Water Absorption 24h	27.05	30.29 %	34.43		EN 1097-6 annex C
Water Absorption 28 days (long term water content)		45.00 %			EN 1097-6 annex C
Shear strength-static loading/Triaxial/ Angle of friction(°)	38.5	42.0	44.0	38	EN 15732
Cohesion, c'peak		0 kPa		0	EN 15732
Compressibility - C%		13.0 %			EN 1097-11
Compressive Creep ( 150 kPa - 24 hours ) - Dry		0.08 %		0.14	EN 15732
Confined compressive strength - CS(2)		620 kPa		540	EN 1097-11
Confined compressive strength - CS(10)		1120 kPa		900	EN 1097-11
Cyclic Compression (120 kPa) after 2.000.000 cycles - Dry		3.5 %		4	EN 15732
Shear Strength-cyclic loading/Triaxial Resilient modulus	160	190 MPa	220		EN 15732
Water Permeability		2.0 cm/s		2.2	EN 15732
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		
2.000		2.0		
3.150		4.3		
4.000	0.0	9.7	15.0	
6.300		49		
8.000		83		
10.000	90	100	100	
12.500		100		

