Argex NV
Krijgsbaan 372
2070 Zwijndrecht

Technical Sheet 2024
from 1/01/2024 to 31/12/2024

AG 4/8-370 - GEO

Client : **Quality Control Argex**
0032/32.50.15.15

lab	*Quality Control Argex 0032/32.50.15.15*
Aggregate Size	*4/8 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")	0.88	1.45 N/mm²	2.30		EN 13055-1
Loose Bulk Density (+- 15% of declared value)	315	366 kg/m³	426	370	EN 1097-3
Freezing & Thawing Resistance		1.1 %	3.3		EN 1367-7
Water Content (from silo)	0.0	2.1 %	15.0		EN 1097-5
Loose Bulk Density with water (compacted-saturated in water)		1237 kg/m³			EN 1097-6 annex C
Water Absorption 5'	20.91	28.27 %	35.53		EN 1097-6 annex C
Water Absorption 1h	24.44	32.10 %	37.56		EN 1097-6 annex C
Water Absorption 24h	36.40	46.39 %	53.21		EN 1097-6 annex C
Water Absorption 28 days (long term water content)		70.00 %			EN 1097-6 annex C
Shear strength-static loading/Triaxial/ Angle of friction(°)	41.5	43.0	45.0	41	EN 15732
Cohesion, c'peak		0 kPa		0	EN 15732
Compressibility - C%		22.0 %			EN 1097-11
Compressive Creep (150 kPa - 24 hours) - Dry		0.08 %		0.14	EN 15732
Confined compressive strength - CS(2)		320 kPa		290	EN 1097-11
Confined compressive strength - CS(10)		620 kPa		580	EN 1097-11
Cyclic Compression (120 kPa) after 2.000.000 cycles - Dry		1.4 %		2	EN 15732
Shear Strength-cyclic loading/Triaxial Resilient modulus	170	210 MPa	250		EN 15732
Water Permeability		1.8 cm/s		1.8	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		2.4		
2.000		5.8		
3.150		7.4		
4.000	0	14	15	
6.300		73		
8.000	90	97	100	
10.000		100