

AR 4/10-430 - GEO

Client : Quality Control Argex
 0032/32.50.15.15

| | |
|-----------------------|--|
| lab | Quality Control Argex 0032/32.50.15.15 |
| Aggregate Size | 4/10 mm |
| Certifications | 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") | 0.96 | 2.15 N/mm ² | 4.41 | | EN 13055 |
| Loose Bulk Density (+- 15% of declared value) | 366 | 475 kg/m ³ | 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' | 11.64 | 14.77 % | 18.49 | | EN 1097-6 annex C |
| Water Absorption 1h | 15.18 | 18.37 % | 21.73 | | EN 1097-6 annex C |
| Water Absorption 24h | 24.51 | 28.23 % | 34.26 | | 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 | | 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 | | 0.8 | | |
| 2.000 | | 2.2 | | |
| 3.150 | | 3.8 | | |
| 4.000 | 0.0 | 8.1 | 15.0 | |
| 6.300 | | 51 | | |
| 8.000 | | 87 | | |
| 10.000 | 90 | 99 | 100 | |
| 12.500 | | 100 | | |

