

AR 4/10-430

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 : 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") | 0.88 | 2.12 N/mm ² | 4.20 | | EN 13055 |
| Loose Bulk Density (+- 15% of declared value) | 366 | 481 kg/m ³ | 495 | 430 | EN 1097-3 |
| Oven-Dried Particle Density (+- 15% of declared value) | 638 | 824 kg/m ³ | 863 | 750 | EN 1097-6 annex C |
| Freezing & Thawing Resistance | | 2.3 % | 3.3 | | EN 1367-7 |
| Los Angeles + Micro Deval (4-6.3) | | NPD | | | EN 1097-1 & 2 |
| Los-Angeles (4-6.3) | | NPD | | | EN 1097-2 |
| Polished Stone Value | | NPD | | | EN 1097-8 |
| Volume Stability | | 0.22 % | 0.50 | | EN 1367-8 |
| Water Content (from silo) | 0.0 | 2.3 % | 15.0 | | EN 1097-5 |
| Water Absorption 5' | 12.56 | 15.55 % | 18.09 | | EN 1097-6 annex C |
| Water Absorption 1h | 14.51 | 18.77 % | 22.33 | | EN 1097-6 annex C |
| Water Absorption 24h | 22.47 | 28.64 % | 33.78 | | 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 | 40.0 | 41.8 | 38 | EN 15732 |
| Cohesion, c'peak | | 0 kPa | | 0 | EN 15732 |
| Compressibility - C% | | 13.0 % | | | EN 1097-11 |
| Compressive Creep (150 kPa - 24 hours) | | 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 | | 3.5 % | | 4 | EN 15732 |
| Shear Strength-cyclic loading/Triaxial Resilient modulus | 160 | 190 MPa | 220 | | EN 15732 |
| Water Permeability | | 1 cm/s | | 1 | EN 15732 |
| Water Vapor Transmission (μ) | | 2 | | 2 | EN 15732 |
| Alkali Silica Reactivity | | NPD | | | EN 13055 |
| Chloride | | 0.005 % | 0.010 | | EN 1744-1 |
| Cleanliness | | Pass | | | EN 1744-1 |
| Loss on Ignition | | -0.18 % | 0.50 | | EN 1744-1 |
| Release Of Dangerous Substances | | NPD | | | EN 13055 |
| Reaction To Fire | | Euroclass A1 | | | EN 13501-1 |
| Total Sulphur | | 0.17 % | 0.55 | | EN 1744-1 |
| Acid-Soluble Sulfate | | 0.053 % | 0.500 | | EN 1744-1 |

| Grading (EN 933-1) | | | | |
|----------------------|------|-----------|------|----------|
| sieve (mm) | mini | % passing | maxi | Declared |
| 0.000 | | 0.0 | | |
| 0.063 | | 0.6 | | |
| 2.000 | | 1.4 | | |
| 3.150 | | 2.4 | | |
| 4.000 | 0.0 | 5.0 | 15.0 | |
| 6.300 | | 47 | | |
| 8.000 | | 89 | | |
| 10.000 | 90 | 99 | 100 | |
| 12.500 | | 100 | | |

