



O.C.O. Technology Ltd (Leeds)

October 2021 Test Certificate
BlockMix OS

EN 13055-1

Lightweight aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in concrete, mortar and grout

| | Average | Declared | |
|-------------------------------------|---------|----------|----------------------|
| Acid soluble sulfate ¹ | 3.40 | <4 | (%) |
| Apparent density ² | 2.5 | NPD | |
| Bulk density ² | 1046 | 1100±100 | (kg/m ³) |
| Compressive strength ³ | 0.13 | >0.1 | (Mpa) |
| Crushing resistance ⁴ | 8.275 | >5 | (N/mm ²) |
| Dioxin | 101 | <600 | (ng/kg) |
| Leaching ⁵ | | | |
| As | <0.01 | <0.5 | (mg/kg) |
| Ba | 26.62 | <50 | (mg/kg) |
| Cd | <0.001 | <0.04 | (mg/kg) |
| Cr | 0.30 | <1.5 | (mg/kg) |
| Cu | 0.03 | <0.15 | (mg/kg) |
| Hg | <0.01 | NPD | (mg/kg) |
| Mo | 1.50 | <1 | (mg/kg) |
| Ni | <0.01 | <0.4 | (mg/kg) |
| Pb | 3 | <3 | (mg/kg) |
| Sb | <0.01 | <0.06 | (mg/kg) |
| Se | <0.02 | <0.1 | (mg/kg) |
| Zn | 0.88 | <3.5 | (mg/kg) |
| Cl | 59.69 | <75 | (g/kg) |
| SO ₄ | 1.96 | <5 | (g/kg) |
| Los Angeles ² | 47.64 | NPD | (%) |
| Magnesium sulfate ⁶ | 1 | <18 | (%) |
| Oven dried density ² | 1.62 | NPD | |
| Oxidisable sulfides ¹ | 1.15 | NPD | (%) |
| Saturated density ₂ | 1.972 | NPD | |
| Total sulfur ¹ | 1.30 | <2 | (%) |
| Water absorption ² | 17.98 | 20±4 | (%) |
| Water content ² | 6.59 | NPD | (%) |
| Water soluble chloride ¹ | 2.76 | <7.5 | (%) |
| Water soluble sulfate ¹ | 0.07 | <0.5 | (%) |

¹ BS EN 1744, ² BS EN 1097, ³ End of Waste method, ⁴ BS EN 13055, ⁵ BS EN 12457, ⁶ BS EN 1367, ⁷ BS EN 933