



O.C.O. Technology Ltd (Leeds)

October 2021 Test Certificate Block Mix 0-16mm

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	8.28	>5	(N/mm ²)
Dioxin	101.00	<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	3.24	<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	48	NPD	(%)
Magnesium sulfate ⁶	1.00	<18	(%)
Oven dried density ²	1.62	NPD	
Oxidisable sulfides ¹	1.15	NPD	(%)
Particle size ⁷			
50mm	100		(% passing)
40mm	100		(% passing)
31.5mm	100		(% passing)
20mm	100		(% passing)
16mm	96.3	>90	(% passing)
10mm	72.58		(% passing)
8mm	53.41		(% passing)
6.3mm	33.12		(% passing)
4mm	10.47		(% passing)
2mm	2.94		(% passing)
1mm	1.36	<10	(% passing)
63um	0.36		(% passing)
Saturated density ²	1.97	NPD	
Total sulfur ¹	1.30	<2	(%)
Water absorption ²	32.44	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