

DECLARATION OF PERFORMANCE

No. M-LS.BLOCKMIX.0/16.010919

1. Unique identification code of the product-type:

M-LS BlockMix 0/16mm

2. Intended use or uses:

Lightweight aggregate for use in concrete construction blocks

3. Manufacturer:

O.C.O Technology Ltd, Montague Place, Quayside, Chatham Maritime, Kent, ME4 4QU

5. System/s of AVCP

System 4

6a. Harmonised standard (if applicable):

EN 13055-1:2003

7. Declared performance

Particle shape	Rounded/sub-rounded	
Particle size	1/16 G _C 90/10	
Loose bulk density	1100±100	kg/m ³
Percentage of crushed particles	NPD	
Resistance to fragmentation/crushing	>5	N/mm ²
Composition/content		
Water soluble Chloride	<7.5	% Cl
Acid soluble sulfate	<4	% SO ₃
Total sulfur	<2	% S
Volume Stability	NPD	
Water absorption	20±4	% dry mass
Release of Heavy Metals		
Antimony	<0.06	mg/kg
Arsenic	<0.50	mg/kg
Barium	<50.00	mg/kg
Cadmium	<0.04	mg/kg
Chromium	<1.50	mg/kg
Copper	<0.15	mg/kg
Lead	<3.00	mg/kg
Molybdenum	<1.00	mg/kg
Nickel	<0.40	mg/kg

Selenium	<0.10	mg/kg
Zinc	<3.50	mg/kg
Release of polyaromatic carbons	NPD	
Release of other dangerous substances	NPD	
Durability against freeze-thaw	<10	% loss in mass
Durability against alkali-silica reactivity	NPD	

8. Signed for and on behalf of the manufacturer by:



Dr. P.J.Gunning
Technical & Quality Manager



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O.C.O Technology Ltd, Montague Place, Quayside, Chatham Maritime, Kent, ME4 4QU

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EN 13055-1:2003

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

Internal and external use

Particle shape	Rounded/sub-rounded	
Particle size	1/16 G _c 90/10	
Loose bulk density	1100±100	kg/m ³
Percentage of crushed particles	NPD	
Resistance to fragmentation/crushing	>5	N/mm ²
Composition/content		
Water soluble Chloride	<7.5	% Cl
Acid soluble sulfate	<4	% SO ₃
Total sulfur	<2	% S
Volume Stability	NPD	
Water absorption	20±4	% dry mass
Emission of radioactivity	NPD	
Release of Heavy Metals		
Antimony	<0.06	mg/kg
Arsenic	<0.50	mg/kg
Barium	<50.00	mg/kg
Cadmium	<0.04	mg/kg
Chromium	<1.50	mg/kg
Copper	<0.15	mg/kg
Lead	<3.00	mg/kg
Molybdenum	<1.00	mg/kg
Nickel	<0.40	mg/kg
Selenium	<0.10	mg/kg
Zinc	<3.50	mg/kg
Release of polyaromatic carbons	NPD	
Release of other dangerous substances	NPD	
Durability against freeze-thaw	<10	% loss in mass
Durability against alkali-silica reactivity	NPD	

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