

# 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

<b>Particle shape</b>	Rounded/sub-rounded	
<b>Particle size</b>	1/16 G <sub>C</sub> 90/10	
<b>Loose bulk density</b>	1100±100	kg/m <sup>3</sup>
<b>Percentage of crushed particles</b>	NPD	
<b>Resistance to fragmentation/crushing</b>	>5	N/mm <sup>2</sup>
<b>Composition/content</b>		
Water soluble Chloride	<7.5	% Cl
Acid soluble sulfate	<4	% SO <sub>3</sub>
Total sulfur	<2	% S
<b>Volume Stability</b>	NPD	
<b>Water absorption</b>	20±4	% dry mass
<b>Release of Heavy Metals</b>		
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
<b>Release of polyaromatic carbons</b>	NPD	
<b>Release of other dangerous substances</b>	NPD	
<b>Durability against freeze-thaw</b>	<10	% loss in mass
<b>Durability against alkali-silica reactivity</b>	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

M-LS.BLOCKMIX.0/16.010919

**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**

<b>Particle shape</b>	Rounded/sub-rounded	
<b>Particle size</b>	1/16 G <sub>c</sub> 90/10	
<b>Loose bulk density</b>	1100±100	kg/m <sup>3</sup>
<b>Percentage of crushed particles</b>	NPD	
<b>Resistance to fragmentation/crushing</b>	>5	N/mm <sup>2</sup>
<b>Composition/content</b>		
Water soluble Chloride	<7.5	% Cl
Acid soluble sulfate	<4	% SO <sub>3</sub>
Total sulfur	<2	% S
<b>Volume Stability</b>	NPD	
<b>Water absorption</b>	20±4	% dry mass
<b>Emission of radioactivity</b>	NPD	
<b>Release of Heavy Metals</b>		
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
<b>Release of polyaromatic carbons</b>	NPD	
<b>Release of other dangerous substances</b>	NPD	
<b>Durability against freeze-thaw</b>	<10	% loss in mass
<b>Durability against alkali-silica reactivity</b>	NPD	

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