Declaration of Performance

DECLARATION OF PERFORMANCE
No **CIM0003** CPR **2 March 2016**

1. Unique identification code of the product type:

Rolled Lead Sheet to BSEN 12588: 2006

2. Type, batch or serial number or any other element allowing identification of the construction product as required under **Article 11 (4) of the CPR**:

Products are colour coded to denote their thickness (see item 8). Packaging will illustrate other production data.

3. Intended use or uses of the construction product in accordance with the application harmonised technical specification, as foreseen by the manufacturer:

Rolled Lead Sheet for Construction, Nuclear and Engineering.

4. Name, registration trade name or registered trade mark and contact address of the manufacturer as required under **Article 11 (5).**

Calder Industrial Materials Limited
Jupiter Drive
Chester West Employment Park
Chester, CH1 4EX

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in **Article 12 (2)**.

Roland Davies – Quality Manager
Calder Industrial Materials Limited
Jupiter Drive
Chester West Employment Park
Chester, CH1 4EX

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in **CPR, Annex V:**

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

EN 14783: 2013 (see also BS EN 12588 2006)
Quality System to BS EN ISO 9001:2008
Certification conducted by DNV.
Certificate number 48731-2009-AQ-GBR-UKAS

8 Declared Performance

<table>
<tr><th>Essential Characteristics</th><th>Performance</th><th>Harmonised Technical Specification</th></tr>
<tr><td>Water permeability</td><td>impermeable</td><td rowspan="20">EN 14783:2013</td></tr>
<tr><td>Dimensional change</td><td>29,3 x 10^{-6} K^{-1}</td></tr>
<tr><td>Water vapour and air permeability</td><td>impermeable</td></tr>
<tr><td>Appearance</td><td>Bluish grey soft metal</td></tr>
<tr><td>Melting Temperature</td><td>327˚c</td></tr>
<tr><td>Fuming Temperature</td><td>500˚c</td></tr>
<tr><td>Boiling Point</td><td>1,750˚c</td></tr>
<tr><td>Density</td><td>11,34g/cm3</td></tr>
<tr><td>Fire Rating</td><td>Lead roofs achieve the following ratings when tested to BS 476: Part 3.
a) BA when laid on square edged boarding.
b) AA when laid on T & G boarding or concrete;</td></tr>
<tr><td>Reaction to Fire</td><td>Class A1 (CWFT)</td></tr>
<tr><td>External Fire Performance</td><td>Class Froof</td></tr>
<tr><td>Odour</td><td>None</td></tr>
<tr><td>Flash Point</td><td>No Performance Detected (NPD)</td></tr>
<tr><td>Solubility in Water</td><td>Insoluble</td></tr>
<tr><td>Chemical Composition

Copper
Antimony
Bismuth
Silver
Tin
Zinc
Other impurities
Lead</td><td>% by mass (m/m)

0.03 to 0.06
max 0.005
max 0.100
max 0.005
max 0.05
max 0.001
max 0.005
Remainder</td></tr>
<tr><td><table><tr><th>Nominal Thickness (mm)</th><th>Colour</th></tr><tr><td>1.25 or1.32</td><td>green</td></tr><tr><td>1.50 or 1.59</td><td>yellow</td></tr><tr><td>1.75 or 1.80</td><td>blue</td></tr><tr><td>2.00 or 2.24</td><td>red</td></tr><tr><td>2,50 or 2.65</td><td>black</td></tr><tr><td>3.00 or 3.15</td><td>white</td></tr><tr><td>3.50 or 3.55</td><td>orange</td></tr></table></td><td>Max deviation from the ordered nominal thickness, when measured shall be carried out on flat undamaged areas, at each end of the roll or split roll, at least 20mm away from the edge to avoid any burrs, physical marks and creases shall not exceed ± 5%.</td></tr>
<tr><td>Width</td><td>The maximum deviation from the ordered nominal width shall not exceed ± 5mm.</td></tr>
<tr><td>Length</td><td>The maximum deviation from the ordered nominal length shall not exceed +50mm.</td></tr>
</table>

9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in points 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

MAURICE BAILEY – MANAGING DIRECTOR

(Name and function)

CHESTER 1-03-16

(place and date of issue)

M.A.Bailey

(signature)