

# 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**

Essential Characteristics		Performance	Harmonised Technical Specification
Water permeability		impermeable	EN 14783:2013
Dimensional change		$29,3 \times 10^{-6} \text{ K}^{-1}$	
Water vapour and air permeability		impermeable	
Appearance		Bluish grey soft metal	
Melting Temperature		327°C	
Fuming Temperature		500°C	
Boiling Point		1,750°C	
Density		11,34g/cm <sup>3</sup>	
Fire Rating		Lead roofs achieve the following ratings when tested to BS 476: Part 3. a) <b>BA</b> when laid on square edged boarding. b) <b>AA</b> when laid on T & G boarding or concrete;	
Reaction to Fire		Class A1 (CWFT)	
External Fire Performance		Class F <sub>roof</sub>	
Odour		None	
Flash Point		No Performance Detected (NPD)	
Solubility in Water		Insoluble	
Chemical Composition		% by mass (m/m)	
Copper		0.03 to 0.06	
Antimony		max 0.005	
Bismuth		max 0.100	
Silver		max 0.005	
Tin		max 0.05	
Zinc		max 0.001	
Other impurities		max 0.005	
Lead		Remainder	
Nominal Thickness (mm)	Colour	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%.	
1.25 or 1.32	green		
1.50 or 1.59	yellow		
1.75 or 1.80	blue		
2.00 or 2.24	red		
2,50 or 2.65	black		
3.00 or 3.15	white		
3.50 or 3.55	orange		
Width		The maximum deviation from the ordered nominal width shall not exceed ± 5mm.	
Length		The maximum deviation from the ordered nominal length shall not exceed +50mm.	

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. Bailey

(signature)