

# Lincoln Electric EMEAR

## Declaration of Performance



DoP No.: LEO- 43 / 0

1. Unique identification code of the product-type:  
**ALUFIL AIMg4.5Mn**
2. Type:  
**EN ISO 18273 / S Al 5183 (AIMg4,5Mn0,7(A))**
3. Intended uses:  
**Filler materials and fluxes to be used for fusion welding of metallic structures or composite metal and concrete structures in construction works**
4. Manufacturer:  
**Lincoln Electric Europe BV, Nieuwe Dukenburgseweg 20, 6534 AD Nijmegen, Netherlands**
5. System of AVCP:  
**System 2+**
6. Harmonised standard: **EN 13479:2017** Notified body:  
**TÜV Rheinland Group, Notified Body No. 0035**
7. The notified body performed initial inspection of the manufacturing plant and of the factory production control; continuous surveillance, assessment and evaluation of the factory production control, and issued the certificate of conformity of the factory production control No:  
**0035-CPR-C420**

|                             |           |                    |                |
|-----------------------------|-----------|--------------------|----------------|
| 8. Declared performance:    | <b>Mn</b> | <b>0,50-1,00</b>   | <b>% (m/m)</b> |
| <b>Chemical composition</b> | <b>Si</b> | <b>max. 0,40</b>   | <b>% (m/m)</b> |
|                             | <b>Cr</b> | <b>0,05-0,25</b>   | <b>% (m/m)</b> |
|                             | <b>Cu</b> | <b>max. 0,10</b>   | <b>% (m/m)</b> |
|                             | <b>Al</b> | <b>Rest</b>        | <b>% (m/m)</b> |
|                             | <b>Fe</b> | <b>max. 0,40</b>   | <b>% (m/m)</b> |
|                             | <b>Ti</b> | <b>max. 0,15</b>   | <b>% (m/m)</b> |
|                             | <b>Zn</b> | <b>max. 0,25</b>   | <b>% (m/m)</b> |
|                             | <b>Mg</b> | <b>4,30-5,20</b>   | <b>% (m/m)</b> |
|                             | <b>Be</b> | <b>max. 0,0003</b> | <b>% (m/m)</b> |

**other elements  $\leq 0,05$ ;  $\sum$  other elements  $\leq 0,15$**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified.

Signed for and on behalf of the manufacturer by:

Cergy Saint Christophe, 24.05.2018

Brian Barry  
Consumables BU Q.A. Manager