

# Lincoln Electric EMEAR

## Declaration of Performance



DoP No.: LEO- 353 / 0

1. Unique identification code of the product-type:  
**CARBOROD 1A**
2. Type:  
**EN ISO 636-A / W 46 4 W4Si1**
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>C</b>     | <b>0,06-0,14</b>  | <b>% (m/m)</b> |
| <b>Chemical composition</b> | <b>Mn</b>    | <b>1,60-1,90</b>  | <b>% (m/m)</b> |
|                             | <b>Si</b>    | <b>0,80-1,20</b>  | <b>% (m/m)</b> |
|                             | <b>P</b>     | <b>max. 0,025</b> | <b>% (m/m)</b> |
|                             | <b>S</b>     | <b>max. 0,025</b> | <b>% (m/m)</b> |
|                             | <b>Cr</b>    | <b>max. 0,15</b>  | <b>% (m/m)</b> |
|                             | <b>Ni</b>    | <b>max. 0,15</b>  | <b>% (m/m)</b> |
|                             | <b>Mo</b>    | <b>max. 0,15</b>  | <b>% (m/m)</b> |
|                             | <b>V</b>     | <b>max. 0,03</b>  | <b>% (m/m)</b> |
|                             | <b>Cu</b>    | <b>max. 0,35</b>  | <b>% (m/m)</b> |
|                             | <b>Al</b>    | <b>max. 0,02</b>  | <b>% (m/m)</b> |
|                             | <b>Ti+Zr</b> | <b>max. 0,15</b>  | <b>% (m/m)</b> |

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