

## Declaration of Performance (EU exit Regulation 2020 No 1359)

Certificate No:

0038/CPR/RQA0532073/B

S235J0

### Strip S235J0 / 1.0114 according EN 10025-2

To be used in-welded, bolted and riveted structures

Tata Steel IJmuiden B.V.  
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CE Marking Notified Body  
Lloyd's Register Verification Limited  
71 Fenchurch Street  
London, EC3M 4BS  
UK

System of assessment and verification of constancy of  
performance of the product  
System 2+

Notified factory production control certification body No. 0038  
performed the initial inspection of the manufacturing plant and of  
factory production control and the continuous surveillance,  
assessment, and evaluation of factory production control and  
issued the certificate of conformity of the factory production  
control.

The performance of the product identified is in conformity with  
the declared performance. This declaration of performance is  
issued, in accordance with (EU exit) Regulation 2020 No1359,  
under the sole responsibility of the manufacturer. Signed for and  
on behalf of the manufacturer by:



Carel Kleemans – Technical Director, Strip Products MLE  
Tata Steel IJmuiden BV  
5<sup>th</sup> of August 2021  
Date

| Essential characteristic           | Performance            |      |  |     | Harmonised technical specification |
|------------------------------------|------------------------|------|--|-----|------------------------------------|
| Tolerances on dimensions and shape | Dimensions             |      | EN 10051   |     | EN10025-1 2004                     |
|                                    | Flatness               |      | EN10051  |     |                                    |
| Yield strength (transverse)        | Nominal thickness (mm) |      | Values Min (MPa)   |     |                                    |
|                                    | >                      | <=   |  |     |                                    |
|                                    | 1.4                    | 16   | 235  |     |                                    |
|                                    | 16                     | 20   | 225  |     |                                    |
| Tensile strength (transverse)      | Nominal thickness (mm) |      | Values (MPa)   |     |                                    |
|                                    | >                      | <=   | min  | max |                                    |
|                                    | 1.4                    | 20   | 360  | 510 |                                    |
| Elongation (transverse)            | Nominal thickness (mm) |      | Values min (% , 80mm)  |     |                                    |
|                                    | >                      | <=   |  |     |                                    |
|                                    | 1.4                    | 1.5  | 18   |     |                                    |
|                                    | 1.5                    | 2    | 19   |     |                                    |
|                                    | 2                      | 2.5  | 20   |     |                                    |
|                                    | 2.5                    | 3    | 21   |     |                                    |
|                                    | Nominal thickness (mm) |      | Values min (% , 5.65√s <sub>0</sub> )                              |     |                                    |
|                                    | >3                     | <=20 | 24   |     |                                    |
| Impact strength (longitudinal)     | J0                     |      | 27J at + 0°C   |     |                                    |
| Weldability CEV                    | Nominal thickness (mm) |      | Values max (%)   |     |                                    |
|                                    | >                      | <=   |  |     |                                    |
|                                    | 1.4                    | 20   | 0.35   |     |                                    |
| Durability                         | Nominal thickness (mm) |      | Values max (%)   |     |                                    |
|                                    | >1.4                   | <=20 | C:0,17<br>Mn: 1,40<br>P: 0,030<br>S: 0,030<br>N: 0.012<br>Cu: 0.55 |     |                                    |

# UK CA

0038

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MLE Strip S235J0

EN 10025-1 – 2004

Strip S235J0 / 1.0114

To be used in-welded, bolted and riveted structures

Tolerances on dimensions : Strip EN10051

Elongation :  
Tensile Strength :  
Yield Strength : EN10025-2  
Impact Strength :  
Weldability :  
Durability :

Dangerous Substances : No Performance Determined