

**Declaration of Performance** DOP No.: DDS 006

According to Annex III Construction Products Regulation (305/2011/EU) and Construction Products (Amendment etc.) (EU Exit) Regulations 2019 (No. 465) Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (No. 1359)

|   |   |
|---|---|
| For the construction products   | <b>Hot-rolled steel bars and sections</b>   |
| 1. Unique identification code for product type:   | <b>S275JR + AR BS EN / EN 10025-2: 2004</b>   |
| 2. Batch No./Serial No.:<br>Acc. To article 11 par. 4   | <b>See marking / label / inspection certificate</b>   |
| 3. Intended use for construction product:   | <b>Bars and sections for steel construction</b>   |
| 4. Contact address of manufacturer:<br>Acc. To article 11 par. 5  | <b>Dufenco Danish Steel A/S<br/>Havnevej 47, 3300 Frederiksværk<br/>Denmark</b>   |
| 5. Contact address of authorized representative:<br>Acc. Article 12 per. 2  | <b>Not relevant</b>   |
| 6. Assessment system and verification for constancy of performance:<br>Acc. to annex V  | <b>BS EN / EN 10025-1, annex ZA, System 2+</b>  |
| 7. The notified body / approved body: has conducted the first inspection and continuous surveillance according to the system: and issued the certificate: | <b>TÜV Nord Systems GmbH &amp; Co. KG, Hamburg, Kenn.Nr. 0045 / TÜV UK Limited 0879<br/><br/>2+<br/>0045-CPR-0620 / 0879-CPR-10025-1- DE00012</b> |
| 8. Construction product with European Technical Assessment:   | <b>no</b>   |

10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:

Mauro Bucciolini

General Supervisor

.....  
Name and function

Frederiksværk, 15.01.2024



.....  
Place and date

.....  
Signature:

| 1. Declared performance:   |                             |             |                           |          |                         |  |         |         |          |
|--|-----------------------------|-------------|---------------------------|----------|-------------------------|--|---------|---------|----------|
| Essential characteristics  |                             |             | Performance               |          |                         | Harmonized technical specification / designated standard |         |         |          |
| <b>Tolerance on dimensions and shape</b>   | Flat                        |             | EN 10058                  |          |                         | <b>BS EN / EN 10025-1: 2004</b>                          |         |         |          |
|  | Round                       |             | EN 10060                  |          |                         |  |         |         |          |
|  | Square                      |             | En 10059                  |          |                         |  |         |         |          |
|  | UNP                         |             | EN 10279                  |          |                         |  |         |         |          |
|  | Equal angle                 |             | EN 10056-2                |          |                         |  |         |         |          |
|  | Unequal angle               |             | EN 10056-2                |          |                         |  |         |         |          |
| <b>BS EN / EN 10025-2: 2004</b>  |                             |             |                           |          |                         |  |         |         |          |
| <b>Yield strength S275JR</b>   | <b>Nominal thickness mm</b> |             | <b>Min values MPa</b>     |          |                         |  |         |         |          |
|  |                             | ≤16         | 275                       |          |                         |  |         |         |          |
|  | >16                         | ≤40         | 265                       |          |                         |  |         |         |          |
|  | >40                         | ≤63         | 255                       |          |                         |  |         |         |          |
| <b>Tensile strength</b>  | <b>Nominal thickness mm</b> |             | <b>Min/max values MPa</b> |          |                         |  |         |         |          |
|  | =3                          | ≤100        | 410-560                   |          |                         |  |         |         |          |
|  | <b>Nominal thickness mm</b> |             | <b>Min values % (A5)</b>  |          |                         |  |         |         |          |
|  | ≥ 3                         | ≤ 40        | 23                        |          |                         |  |         |         |          |
| <b>Elongation</b>  | >40                         | ≤63         | 22                        |          |                         |  |         |         |          |
|  | >63                         | ≤100        | 21                        |          |                         |  |         |         |          |
|  | <b>Nominal thickness mm</b> |             | <b>Temperature °C</b>     |          | <b>Min values Joule</b> |  |         |         |          |
|  | ≤ 150                       | +20         |                           | 27       |                         |  |         |         |          |
| <b>Weldability</b>   | <b>Nominal thickness mm</b> |             | <b>CEV max values %</b>   |          |                         |  |         |         |          |
|  |                             | ≤30         | 0,40                      |          |                         |  |         |         |          |
|  | >30                         | ≤40         | 0,40                      |          |                         |  |         |         |          |
|  | >40                         | ≤150        | 0,42                      |          |                         |  |         |         |          |
| <b>Durability (Chemical composition)</b>   | <b>Nominal thickness mm</b> |             |                           | Si % max | Mn % max                | P % max  | S % max | N % max | Cu % max |
|  | ≤ 16                        | >16<br>≤ 40 | >40                       |          |                         |  |         |         |          |
|  | C% max                      |             |                           |          |                         |  |         |         |          |
|  | 0,21                        | 0,21        | 0,22                      | -        | 1,50                    | 0,040  | 0,040   | 0,012*  | 0,55     |
| *The max value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present. |                             |             |                           |          |                         |  |         |         |          |