

Duferco Danish Steel
DufercoGROUP

Declaration of Performance

According to Annex III Construction Products Regulation (305/2011/EU)

Dop No.: DDS 009

For the construction products	Hot-rolled steel bars and sections
1. Unique identification code for product type	S355J2 + AR EN 10025-2: 2004
2. Batch No./Serial No.: Acc. To article 11 par. 4	See marking / label / inspection certificate
3. Intended use for construction product:	Bars and sections for steel construction
4. Contact address of manufacturer: Acc. To article 11 par. 5	Duferco Danish Steel A/S Havnevej 47, 3300 Frederiksværk Denmark
5. Contact address of authorized representative: Acc. Article 12 per. 2	Not relevant
6. Assessment system and verification for constancy of performance: Acc. to annex V	EN 10025-1, annex ZA, System Z+
7. The notified body: has conducted the first inspection and continuous surveillance according to the system: and issued the certificate:	TÜV Nord Systems GmbH & Co. KG, Hamburg, Kenn.Nr. 0045 Z+ 0045-CPR-0620
8. Construction product with European Technical Assessment:	no

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:

Inge Beierholm
Name and function

Quality Manager

Frederiksværk, 22-02-2016



Place and date

Signature:

9. Declared performance:

Essential characteristics	Performance	Harmonized technical specification						
Tolerance on dimensions and shape	Flat	EN 10058						
	Round	EN 10060						
	Square	En 10059						
	UNP	EN 10279						
Equal angle	Equal angle	EN 10056-2						
	Unequal angle	EN 10056-2						
EN 10025-2: 2004								
Yield strength S355J2	Nominal thickness mm	Min values MPa						
	≤16	355						
	>16	345						
>40	≤63	335						
	≤80	325						
	Nominal thickness mm	Min/max values MPa						
≤3	≤100	470-630						
Elongation	Nominal thickness mm	Min values % (A5)						
	≥ 3	≤40	22					
	>40	≤63	21					
>63	≤100	20						
	Nominal thickness mm	Temperature °C	Min values Joule					
	≤150	-20	27					
Weldability	Nominal thickness mm	CEV max values %						
	≤30	≤30	0,45					
	>30	≤40	0,47					
>40	≤150	0,47						
Durability (Chemical composition)	Nominal thickness mm							
	≤ 16	>16	>40					
	≤ 40	≤ 40						
C% max		Si % max	Min % max	P % max	S % max	N % max	Cu % max	
0,20	0,20	0,22	0,55	1,60	0,030	0,030	-	0,55
Fully killed steel containing nitrogen binding elements in amounts sufficient to bind the available nitrogen (f ex min 0,020% Al)								