

Duferco Danish Steel
Duferco GROUP

Declaration of Performance

DOP No.: DDS 001

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

For the construction products	Hot-rolled steel bars and sections
1. Unique identification code for product type	S235JR / S275JR + 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 2+
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 2+ 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, 11-11-2013



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	EN 10056-2						
	Unequal angle	EN 10056-2						
EN 10025-2: 2004								
Yield strength S235JR / S275JR	Nominal thickness mm	Min values MPa						
	≤16	275						
	>16	265						
	>40	255						
	>63	245						
	Nominal thickness mm	Min/max values MPa						
≤3	≤100	410-510						
Elongation	Nominal thickness mm	Min values % (A5)						
	≥ 3	≤ 40	26					
	>40	≤63	25					
Impact test (if agreed at the time of the order)	>63	≤100	24					
	Nominal thickness mm	Temperature °C	Min values Joule					
	≤ 150	+20	27					
Weldability	Nominal thickness mm	CEV max values %						
	≤30	≤30	0,35					
	>30	≤40	0,35					
Durability (Chemical composition)	>40	≤150	0,38					
	Nominal thickness mm							
	≤ 16	>16	>40	Si % max	Min % max	P % max	S % max	N % max
0,17	0,17	0,20	-	1,40	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.