Declaration of Performance

Declaration of Performance in accordance with EU-regulation 305/2011, Annex III

No. 008CPR2013-07-01

1. Unique identification code of the product-type:

   Hot rolled structural steel plate S355J0 / 1.0553

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

   Plate S355J0 according to EN 10025-2

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

   Welded, bolted and riveted structures

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

   NLMK DanSteel A/S
   Havnevej 33
   DK 3300 Frederiksværk, Denmark
   Tel. +4547770333
   www.dansteel.dk

5. Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

   Not applicable.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

   System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

   Notified factory production control certification body TÜV Nord Systems GmbH & Co. KG No. 0045 conducted an initial inspection of the plant and of the factory production control and performs continuous monitoring and conformity assessment of the factory production control.

8. Declared performance

Essential characteristic			**Performance**			**Harmonised technical specification**
Tolerances on dimensions and shape	Thickness		In accordance with EN 10029: 2011			EN 10025-1 :2004
	Width		In accordance with EN 10029: 2011			
	Length		In accordance with EN 10029: 2011			
Yield Strength	**Nominal thickness (mm)**		**Values ReH (MPa)**			
	>	≤	min	max		
		16	355			
	16	40	345			
	40	63	335			
	63	80	325			
	80	100	315			
	100	150	295			
	150	200	285			
Tensile Strength	**Nominal thickness (mm)**		**Values Rm (MPa)**			
	>	≤	min	max		
	3	16	470	630		
	16	40	470	630		
	40	63	470	630		
	63	80	470	630		
	80	100	470	630		
	100	150	450	600		
	150	200	450	600		
Elongation	**Nominal thickness (mm)**		**Values A5 (%)**			
	>	≤	min	max		
	3	40	20			
	40	63	19			
	63	100	18			
	100	150	18			
	150	200	17			
Impact Strength	**Nominal thickness (mm)**		**Values (J @ 0ºC)**			
	>	≤	min	max		
		200	27			
Weldability CEV	**Nominal thickness (mm)**		**Values (%)**			
	>	≤	min	max		
		30		0,45		
	30	40		0,47		
	40	150		0,47		
	150	200		0,49		
Durability (chemical composition)	**Nominal thickness (mm)**		**Values (%)**			
	>	≤	min	max		
		16		C: 0,20 Mn: 1,60 P: 0,030	S: 0,030 N: 0,012 Cu: 0,55	
	16	40		C: 0,20 Mn: 1,60 P: 0,030	S: 0,030 N: 0,012 Cu: 0,55	
	40			C: 0,22 Mn: 1,60 P: 0,030	S: 0,030 N: 0,012 Cu: 0,55	

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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 by:

Zibrandt Greisen
Chief Metallurgist.