



## DECLARATION OF PERFORMANCE

### S355JR\_EN10025-2-04\_B\_160101E1

1. Unique identification code of the product-type:

**Plate S355JR / 1.0045**

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

**Plate S355JR / 1.0045 according to EN 10025-2**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised 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):

**Aktien-Gesellschaft der Dillinger Hüttenwerke  
Werkstraße 1  
D-66763 Dillingen/Saar  
Germany  
Tel.: +49 6831 47 34 61  
Fax: +49 6831 47 30 89  
e-mail: [info@dillinger.biz](mailto:info@dillinger.biz)**

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 No. 0769 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.**



8. Declared performance:

Essential characteristic		Performance		Harmonised techn. specification
Tolerances on dimensions / shape	Thickness		EN 10029 Class B	
	Flatness		EN 10029 Class N	
Yield strength	Nominal thickness (mm)		Values	
	>	≤	min (MPa)	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
	100	150	295	
150	200	285		
200	250	275		
Tensile strength	Nominal thickness (mm)		Values	
	>	≤	min (MPa)	max (MPa)
	100	250	470	630
		450	600	
Elongation	Nominal thickness (mm)		Values	
	>	≤	min (%)	
		40	20	
	40	63	19	
	63	150	18	
150	250	17		
Impact strength	Nominal thickness (mm)		Values	
	>	≤	min (J)	
		250	27 at +20°C	
Weldability	Nominal thickness (mm)		Values	
	>	≤	max (CEV, %)	
		30	0,45	
	30	150	0,47	
150	250	0,49		
Durability (chemical composition)	Nominal thickness (mm)		Values	
	>	≤	min (%)	max (%)
		250	C	0,24
			Si	0,55
			Mn	1,60
			P	0,035
			S	0,035
			N	0,012
		Cu	0,55	

EN 10025-1:2004

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:

**Dr. Michael Bott      Head of Quality Assurance**

**Dillingen, 2016-01-01**