

DECLARATION OF PERFORMANCE	
NR C3012	
Rev. 4	
Unique identification code of the product type	S235JR
Intended use/es	Metal structures or composite metal and concrete structures
Manufacturer (registered office)	Marcegaglia Poland Sp. z o.o. Ul. Kaliska 72, 46-320 Praszka - Poland
Production Plant	Ligota Dolna Ul. Przemysłowa 1, 46-200 Kluczbork - Poland
System (-s) of assessment and verification of the constancy of performance	2+
Harmonized specification	EN 10025-1:2004
Notified Body (-s)	RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia 0474

Certificates of Conformity for the control of the plant production have been issued for the following elements:

- initial inspection of the production plant and of the factory production control.
- surveillance, evaluation and regular audits of the factory production control.


DECLARED PERFORMANCE		
Main Features	Performance	Harmonized Technical Specification
Dimensional Tolerances	EN10051:2010	EN10025-1:2004
Elongation	EN10025-2:2019	
Tensile strength		
Yield strength		
Impact strength		
Weldability (CEV)	0,35% max.	
Durability	Possibility for hot-dip galvanizing by specifying option 5 at the ordering time	
<p>The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.</p>		

TABLE 1 - MECHANICAL CHARACTERISTICS

Mechanical properties for steel grades quality groups with impact strength values specified

STEEL GRADE	ReH ^(a) MPa ^(b) Min	Rm ^(a) MPa ^(b)		Min. Percentage elongation after break % ^(a)							Impact strength KV ^(c)	
				Lo = 80 (mm)					Lo = 5,65√So	Temp. (°C)	Min energy (J)	
				Nominal Thickness (mm)								
				≤ 16	< 3	≥ 3 ≤ 100	≤ 1	>1 ≤ 1,5	>1,5 ≤ 2	>2 ≤ 2,5	>2,5 < 3	≥ 3 ≤ 40
S235JR	235	360 + 510	360 + 510	l	17	18	19	20	21	26	20	27
				t	15	16	17	18	19	24		
<p>a) For sheets and strips ≥ 600 mm wide, these values relate to samples taken in a direction transverse (t) to the rolling direction. For all other products, the values for samples taken in parallel (l) to rolling direction are applied</p> <p>b) MPa = 1N/mm²</p> <p>c) Impact properties for products of quality group JR are tested if agreed at the order</p>												

Signed for and on behalf of Marcegaglia Poland Sp. z o.o.:


Filippo Nicoli
 Marcegaglia Poland Sp. z o.o. Director

Ligota Dolna, 28.02.2020

This declaration of performance is valid only in presence of the product identification label and delivery document or of the inspection certificate issued at the delivery.