

DECLARATION OF PERFORMANCE	
NR C3012	
Rev. 5	
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.zo.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 Notified Body (-s)	EN 10025-1:2004 RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia 0474
UK Approved body and ID No	CARES - Pembroke House, 21 Pembroke Road Sevenoaks, Kent, TN13 1XR 1244

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	

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.

This responsibility statement is issued in accordance with Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, under the sole responsibility of the manufacturer identified above.

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	^(a)	≤1	>1 ≤1,5	>1,5 ≤2	>2 ≤2,5	>2,5 <3	≥3 ≤40	> 6 ≤ 150	
S235JR	235	360 + 510	360 + 510		l	17	18	19	20	21	26	20	27
					t	15	16	17	18	19	24		

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

b) MPa = 1N/mm²

c) Impact properties for products of quality group JR are tested if agreed at the order

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


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

Ligota Dolna, 18.01.2023

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.