

DECLARATION OF PERFORMANCE	
NR C3017	
Rev. 4	
Unique identification code of the product type	S355JR
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)		
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 performances. 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		
				L _o = 80 (mm)							L _o = 5,65√S _o	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
S355JR	355	510 + 680	470 + 630	l	14	15	16	17	18	22	20	27	
				t	12	13	14	15	16	20			
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/mm ²											

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.