

## DECLARATION OF PERFORMANCE

**NR C3019**

**Rev. 2**

Unique identification code of the product type	<b>S420MH</b>
Intended use/es	Metal structures or composite metal and concrete structures
Manufacturer (registered office)	<b>Marcegaglia Poland Sp. z o.o.</b> Ul. Kaliska 72, 46-320 Praszka – Poland
Production Plant	<b>Ligota Dolna</b> Ul. Przemysłowa 1, 46-200 Kluczbork - Poland
System (-s) of assessment and verification of the constancy of performance	<b>2+</b>
Harmonised standard	<b>EN 10219-1:2006</b>
Notified Body (-ies)	RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia <b>0474</b>

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

Principal features	Performance	Harmonised specification
Dimensional Tolerances	As per EN 10219-2:2019	EN 10219-1:2006
Elongation	As per Table 1	
Tensile strength		
Yield strength		
Impact strength		
Durability	N.P.D. - possibility for hot-dip galvanizing by specifying option 1.4 at the ordering time	
Weldability (CEV)	0.43% max	

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.

Table 1 – Mechanical properties

Steel grade		Minimum yield strength $R_{eH}$	Tensile strength $R_m$	Minimum elongation %	Minimum impact energy	
Steel name	Steel number	[MPa]	[MPa]	$Lo=5.65\sqrt{So}$ (a)(b)	KV in J <sup>(c)(d)</sup>	
		Nominal thickness in mm			Test temperature	impact energy
		$\leq 16$	$\leq 40$	$\leq 40$		
<b>S420MH</b>	<b>1.8847</b>	420	500+660	19	-20°	40
<p>a. For proportion <math>D/T &lt; 15</math> (round) and <math>(B+H)/2T &lt; 12,5</math> (square, rectangular) minimum is decreased by 2</p> <p>b. For thickness <math>&lt; 3,0</math> mm the percentage elongation may be reported for a length of 80 mm or 50 mm</p> <p>c. Impact test, when applicable or required, shall be carried out in accordance with EN10219-1. Impact test are not required for nominal thickness <math>&lt; 6</math> mm.</p> <p>d. Value is suitable for 27J in temperature -30°C</p>						

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

*Filippo Nicoli*

Marcegaglia Poland Sp. z o.o. Director



Ligota Dolna, 13.10.2025

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.