

<b>DECLARATION OF PERFORMANCE</b>		
<b>NR C3020</b>		
<b>Rev. 0</b>		
Unique identification code of the product type	<b>S460MH</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: <ul style="list-style-type: none"> <li>initial inspection of the production plant and of the factory production control.</li> <li>surveillance, evaluation and regular audits of the factory production control.</li> </ul>		
<b>DECLARED PERFORMANCE</b>		
Principal features	Performance	Harmonised specification
Dimensional Tolerances	As per EN 10219-2:2006	EN 10219-1:2006
Elongation	As per Table 1	
Tensile strength		
Yield strength		
Impact strength		
Durability (depending on the protection method and/or thickness of the protective coating)	Possibility for hot-dip galvanizing by specifying option 1.4 at the ordering time	
Weldability (CEV)	0.46% 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 (c)(d)	
Nominal thickness in mm					Test temperature	impact energy
		$\leq 16$	$\leq 40$	$\leq 40$	-20°	40
<b>S460MH</b>	<b>1.8849</b>	460	530+720	17	-20°	40
a. For proportion D/T < 15 (round) and (B+H)/2T < 12,5 (square, rectangular) minimum is decreased by 2 b. For thickness < 3,0 mm the percentage elongation may be reported for a length of 80 mm or 50 mm c. Impact test, when applicable or required, shall be carried out in accordance with EN10219-1. Impact test are not required for nominal thickness < 6 mm. d. Value is suitable for 27J in temperature -30°C						

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

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

Ligota Dolna, 01.03.2019

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.