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DECLARATION OF PERFORMANCE					
No	0160/019				
Product Identification Code	Hot rolled steel product for Structural Use. Grade S355K2W as for EN10025-5:2019				
Identification	According to the information stated on the ID label with barcode and/or Bundle number and in the Inspectin certificate.				
Intended use of the Construction Product	Flat product for use in metal structures or in metal complexes and concrete structures.				
Manufacturer (registered office)	Marcegaglia Plates Via Bresciani, 16 – 46040 Gazoldo degli Ippoliti (MN) – Italia				
Production Plant	San Giorgio di Nogaro Via Fermi, n°33 - 33058 San Giorgio Nogaro (UD) - Italia				
System of assessment and verification of the continuity of performance of the construction product	2+				
Name and ID number of the notified Body	RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia 0474				
Notified 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:

• Starting 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	Harmonised specification					
Dimensional tolerances	As for EN 10029: 2011						
Elongation							
Tensile strength	As for Table 1						
Yield strength	As for Table 1	EN 10025-5: 2019					
Impact strength		EN 10025-5. 2019					
Chemical analysis	As for Table 3						
Durability (with no request for coating)	N.P.D.						

The performance of the above mentioned product complies with the set of declared performances. This responsibility statement 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.

Signed for and behalf of Marcegaglia Plates

Marco Ing. Ferrone

San Giorgio di Nogaro Plant Manager

San Giorgio di Nogaro 12/10/2022

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

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DOP – DECLARATION OF PERFORMANCE 0160/019

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TABLE 1 – MECHANICAL CHARACTERISTICS										
		Minimu	m Yield str	Tensile strenght Rm ^{a)} Mpa						
	Nominal Thickness (mm)									
grade	≤ 16	> 16 ≤ 40	> 40 ≤ 63	> 63 ≤ 80	> 80 ≤ 100	> 100 ≤ 120	≥ 3 ≤ 100	> 100 ≤ 120		
S355K2W	355	345	335	325	315	295	470 to 630	450 to 600		
, ,	, ,	d wide flats wit					e rolling direction app	olies. For all other		

TABLE 1 – MECHANICAL CHARACTERISTICS (follows)

		Mechanical characteristics at room temperature for steel grades with impact strenght values Min. percentage elongation after break ^{a)} % L0=5,65VS0				Impact strenght KV longitudinal for flat products			
						temperature °C	Minimum energy (J)		
		Nominal Thickness (mm)							
grade	Position of test pieces ^{a)}	≥ 3 ≤ 40	> 40 ≤ 63	> 63 ≤ 100	> 100 ≤ 120	≤ 120			
S355K2W	I	22	21	20	18	-20	40		
	t te, strip and wide flats ts the values apply for					to the rolling direct	ion applies. For all other		

TABLE 3 – CHEMICAL ANALYSIS									
Chemical composition of the ladle analysis of steel with improbe atmospheric corrosion resistance d									
grade	C % max	Si % max	Mn %	P % max	S % max	N % max	Aggiunta di elementi che fissano l'azoto ^{c)}	Cr %	Cu %
S355K2W	0,16	0,50	0,50 - 1,50	0,030	0,030		yes-	0,40 - 0,80	0,25 - 0,55
0.005%; ^{b)} The max	the N c k. value	ontento for nitro	of the ladle an ogen does not	alysis, howe apply if the	ever, shall no chemical cor	t be more thar nposition show	se of 0.001% N the P ma n 0.012% ws a minimum total Al c l be mentioned in the ir	ontenent of 0.020	% or if
					-		20%, Nb: 0,015% - 0,06 be present with the mi		

d) The steels may show a Ni content of max.0.65%, 0.30% Mo, 0.15% Zr.

For anything not specified in tables or for exceptions as established in the reference standards