



DECLARATION OF PERFORMANCE N° 0019

In compliance with Regulation 305/11 of the European Parliament and of the Council of 9st march 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/CE and in compliance with Regulation 574/14 amending Annex III of the above mentioned Regulation

Unique identification code of the product	Steel grade 1.4571 manufactured in accordance with UNI EN 10088-4 in hot rolled coils, sheets or plates or cold rolled coils or sheets
Intended uses	to be used as construction product
Manufacturer	Acciai Speciali Terni V.le Brin 218 - 05100 Terni Italia
System of AVCP	2+
Notified body	Notified body n°2592, Concert Stradone Farnese, 39G - 29121 Piacenza (Italia)
Harmonised standard	UNI EN 10088-4



Acciai Speciali Terni S.p.A. con Unico Socio

Declared performances for 1.4571 steel grade						
Essential characteristic	Performance				Harmonised technical specification	
Tolerance on dimensions and thickness		according to the order				
Yield strenght (0.2%)	plates	≥220	(transv.)	MPa	EN 10088/4	
	hot rolled coils					
	cold rolled coils	≥240	(transv.)	MPa		
Yield strenght (1%)	plates	≥260	(transv.)	MPa	EN 10088/4	
	hot rolled coils					
	cold rolled coils	≥270	(transv.)	MPa		
Tensile strenght	plates	≥520 e ≤670		MPa	EN 10088/4	
	hot rolled coils	≥540 e ≤690		MPa		
	cold rolled coils					
Impact energy (J)	plates	thick. ≤50mm		100 (long)	EN 10088/4	
				60 (tr)		
	hot rolled coils	thick. ≤6.5mm		NPD		
	cold rolled coils	thick. ≤5.0mm		NPD		
Elongation	plates	≥40	(long ÷ transv)	%	EN 10088/4	
	hot rolled coils	≥40	(long ÷ transv)	%		
	cold rolled coils	≥40	(long ÷ transv)	%		
Resistance to intergranular corrosion	in the delivery condition			yes	EN 10088/4	
	in the sensitized condition			yes		
Durability (chemical composition%)	C ≤ 0.08	Mn ≤ 2.00	S ≤ 0.015	16.5 ≤ Cr ≤ 18.5	2.00 ≤ Mo ≤ 2.50	EN 10088/4
	Si ≤ 1.00	P ≤ 0.045	Ti: 5*C ≤ 0.70	10.5 ≤ Ni ≤ 13.5		

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) N°305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf on the manufacturer by:

Paolo Zanella
Quality Assurance Responsible

Terni on 07/12/2018

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Dr. PAOLO ZANELLA