



DECLARATION OF PERFORMANCE N° 0018

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 1.4541 manufactured in accordance with UNI EN 10088-4 in hot rolled plates, coils or sheets 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, Qoncert Stradone Farnese, 39G - 29121 Piacenza (Italia)
Harmonised standard	UNI EN 10088-4



Declared performances for 1.4541 steel grade					
Essential characteristic	Performance				Harmonised technical specification
Tolerance on dimensions and thickness		according to the order			
Yield strenght (0.2%)	plates	≥200	(transv.)	MPa	EN 10088/4
	hot rolled coils				
	cold rolled coils	≥220	(transv.)	MPa	
Yield strenght (1%)	plates	≥240	(transv.)	MPa	EN 10088/4
	hot rolled coils				
	cold rolled coils	≥250	(transv.)	MPa	
Tensile strenght	plates	≥500 and ≤700		MPa	EN 10088/4
	hot rolled coils	≥520 and ≤720		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)	%	
Resistence 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	17.0 ≤ Cr ≤ 19.0	EN 10088/4
	Si ≤ 1.00	P ≤ 0.045	Ti: 5*C ≤ 0.70	9.0 ≤ Ni ≤ 12.0	

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

Acciai Speciali Terni S.p.A con unico Socio

Dr. PAOLO ZANELLA

QUALITY SYSTEM MANAGER

Terni on 07/12/2018