



DECLARATION OF PERFORMANCE N° 0017

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 1.4521 manufactured in accordance with UNI EN 10088-4 in hot rolled 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



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

		Declared performances for 1.4521 steel grade			
Essential characteristic	Performance				Harmonised technical specification
Tolerance on dimensions and thickness		according to the order			
Yield strenght (0.2%)	hot rolled coils	≥280	long.	MPa	EN 10088/4
		≥300	transv.	MPa	
	cold rolled coils	≥300	long.	MPa	
		≥320	transv.	MPa	
Tensile strenght	hot rolled coils	≥400 and ≤600		MPa	EN 10088/4
	cold rolled coils	≥420 and ≤640			
Elongation	hot rolled coils	≥20	(long ÷ transv)	%	EN 10088/4
	cold rolled coils	≥20	(long ÷ transv)	%	
Resistance to intergranular corrosion	in the delivery condition			yes	EN 10088/4
	in the sensitized condition			yes	
Durability (chemical composition%)	C ≤ 0.025	Si ≤ 1.00	17.0 ≤ Cr ≤ 20.0	Ti: 4*(C+N)+ 0.15 ≤ 0.80	EN 10088/4
	S ≤ 0.015	P ≤ 0.040	1.80 ≤ Mo ≤ 2.50		
	N ≤ 0.30	Mn ≤ 1.00			
NB The stabilization may be by use of Ti or Nb or Zr. The equivalence shall be the following: Nb (% by mass) = Zr (% by mass) = 7/4 Ti (% by mass)					

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