



DECLARATION OF PERFORMANCE N° 0009

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 Regulation 574/14 amending Annex III the above mentioned Regulation

Unique identification code of the product	Steel grade 1.4401 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



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

		Declared performances for 1.4401 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 and ≤670		MPa	EN 10088/4	
	hot rolled coils	≥530 and ≤680		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	≥45	(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			no		
Durability (chemical composition%)	C ≤ 0.07	Mn ≤ 2.00	S ≤ 0.015	16.5 ≤ Cr ≤ 18.5	10.0 ≤ Ni ≤ 13.0	EN 10088/4
	Si ≤ 1.00	P ≤ 0.045	N ≤ 0.10	2.0 ≤ Mo ≤ 2.5		

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 Acciai Speciali Terni S.p.A con Unico Socio

Terni on 07/12/2018

Dr. PAOLO ZANELLA
QUALITY SYSTEM MANAGER