



**DECLARATION OF PERFORMANCE N° 0006**

**In compliance with Regulation 305/11 of the European Parliament and of the Council of 9<sup>st</sup> 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**

<b>Unique identification code of the product</b>	<b>Steel grade 1.4307 manufactured in accordance with UNI EN 10088-4 in hot rolled coils or plates or sheets or cold rolled coils or sheets</b>
<b>Intended uses</b>	<b>to be used as construction product</b>
<b>Manufacturer</b>	<b>Acciai Speciali Terni V.le Brin 218 - 05100 Terni Italia</b>
<b>System of AVCP</b>	<b>2+</b>
<b>Notified body</b>	<b>Notified body n°2592, Qoncert Stradone Farnese, 39G - 29121 Piacenza (Italia)</b>
<b>Harmonised standard</b>	<b>UNI EN 10088-4</b>



Essential characteristic	Declared performances for 1.4307 steel grade				Harmonised technical specification
	Performance				
Tolerance on dimensions and thickness	according to the order				
Yield strenght (0.2%)	plates	≥200	(transv.)	MPa	EN 10088/4
	hot rolled coils			MPa	
	cold rolled coils	≥220	(transv.)	MPa	
Yield strenght (1%)	plates	≥240	(transv.)	MPa	EN 10088/4
	hot rolled coils			MPa	
	cold rolled coils	≥250	(transv.)	MPa	
Tensile strenght	plates	≥500 e ≤700		MPa	EN 10088/4
	hot rolled coils	≥520 e ≤700		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	≥45	(long ÷ transv)	%	
	cold rolled coils	≥45	(long ÷ transv)	%	
Resistance to intergranular corrosion	in the delivery condition			yes	EN 10088/4
	in the sensitized condition			yes	
Durability (chemical composition%)	C ≤ 0.030	Si ≤ 1.00	Mn ≤ 2.00	P ≤ 0.045	EN 10088/4
	S ≤ 0.015	N ≤ 0.10	17.5 ≤ Cr ≤ 19,5	8.0 ≤ Ni ≤ 10.5	

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  
 Dr. PAOLO ZANELLA  
 QUALITY SYSTEM MANAGER

Terni on 07/12/2018



## DECLARATION OF PERFORMANCE N° 0010

In compliance with Regulation 305/11 of the European Parliament and of the Council of 9<sup>st</sup> 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

<b>Unique identification code of the product</b>	<b>Steel grade 1.4404 manufactured in accordance with UNI EN 10088-4 in hot rolled plates, coils or sheets or cold rolled coils or sheets</b>
<b>Intended uses</b>	<b>to be used as construction product</b>
<b>Manufacturer</b>	<b>Acciai Speciali Terni V.le Brin 218 - 05100 Terni Italia</b>
<b>System of AVCP</b>	<b>2+</b>
<b>Notified body</b>	<b>Notified body n°2592, Qoncert Stradone Farnese, 39G - 29121 Piacenza (Italia)</b>
<b>Harmonised standard</b>	<b>UNI EN 10088-4</b>



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

		Declared performances for 1.4404 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)	%		
Resistance to intergranular corrosion	in the delivery condition				yes	EN 10088/4
	in the sensitized condition				yes	
Durability (chemical composition%)	C ≤ 0.03	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** Acciai Speciali Terni S.p.A con unico Socio  
Quality Assurance Responsible

Terni on 07/12/2018

PP. PAOLO ZANELLA  
QUALITY SYSTEM MANAGER