



## **DECLARATION OF PERFORMANCE N° 0024**

**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 1.4432 manufactured in accordance with UNI EN 10088-4 in hot rolled 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 1.4432 steel grade					
Essential characteristic	Performance					Harmonised technical specification
Tolerance on dimensions and thickness		according to the order				
Yield strenght (0.2%)	hot rolled coils	≥220	(transv.)	MPa	EN 10088/4	
	cold rolled coils	≥240	(transv.)	MPa		
Yield strenght (1%)	hot rolled coils	≥260	(transv.)	MPa	EN 10088/4	
	cold rolled coils	≥270	(transv.)	MPa		
Tensile strenght	hot rolled coils	≥550 and ≤700		MPa	EN 10088/4	
	cold rolled coils					
Impact energy (J)	hot rolled coils	thick.≤6.5mm		NPD	EN 10088/4	
	cold rolled coils	thick.≤5.0mm		NPD		
Elongation	hot rolled coils	≥40	(long ÷ transv)	%	EN 10088/4	
	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	10.5 ≤ Ni ≤ 13.0	EN 10088/4
	Si ≤ 1.00	P ≤ 0.045	N ≤ 0.10	2.5 ≤ Mo ≤ 3.0		

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:**

Ing. Gian Luca Gigli  
Chief Technical Officer



Terni on 10/11/2023