



## DECLARATION OF PERFORMANCE N° 0011

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 1.4435 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>



		Declared performances for 1.4435 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	17 ≤ Cr ≤ 19	12.5 ≤ Ni ≤ 15.0	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:**

**Paolo Zanella** Acciai Speciali Terni S.p.A con unico Socio  
 Quality Assurance Responsible  
 DR. PAOLO ZANELLA  
 QUALITY SYSTEM MANAGER

Terni on 07/12/2018