



DECLARATION OF PERFORMANCE N° 0101

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 S355J2 (1.0577) manufactured in accordance with UNI EN 10025-1 in hot rolled coils
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 10025-1



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

		Declared performances for S355J2 (1.0577) steel grade			
Essential characteristic	Performance				Harmonised technical specification
Tolerance on dimensions and thickness		according to the order			
Yield strenght	≥355		MPa (transverse)		EN 10025/1
Tensile strenght	thick. <3mm	≥510 e ≤680		MPa (transverse)	EN 10025/1
	thick. ≥3mm	≥470 e ≤630			
Yield strenght (0.2%)	1.5mm<th. ≤2mm	≥ 14		% (transverse)	EN 10025/1
	2mm<th. ≤2.5mm	≥ 15			
	2.5mm<th. <3mm	≥ 16			
	thick. ≥ 3mm	≥ 20			
Impact energy	Temperature -20 °C	≥ 27		J	EN 10025/1
Durability (chemical composition%)	C ≤ 0.20	Mn ≤ 1.60		Cu ≤ 0.55	EN 10025/1
	Si ≤ 0.55	S ≤ 0.025		P ≤ 0.025	
Equivalent Carbon (CEV)*		≤ 0.45			EN 10025/1

*for Si ≤ 0,03 %, increase CEV by 0,02 %; for Si ≤ 0,25 %, increase CEV by 0,01 %.

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

Terni on 21/01/2019

Acciai Speciali Terni S.p.A con unico Socio

Paolo Zanella
Dr. PAOLO ZANELLA
QUALITY SYSTEM MANAGER