



Hot Rolled

Declaration of Performance
(according to regulation EU No 305/2011)

No. Flats and Square Section S355J2

Section S355J2 / 1.0577 According to EN 10025-2

To be used in-welded, bolted and riveted structures

Acenta Steel Limited
Hot Rolled Division
Peartree Lane, Woodside,
Dudley,
West Midlands. DY2 0QS
Tel: +44 (0) 1384 471 200
Website : www.acentasteel.com

CE Marking Notified Body
BSI Assurance UK Limited
Kitemark Court, Davy Avenue, Knowlhill,
Milton Keynes. MK5 8PP
Tel: +44 (0)845 080 9000.

System of assessment and verification of consistency of
performance of the product
System 2+


Notified factory production control certification body No. 0086
performed the initial inspection of the manufacturing plant and of
factory production control and the continuous surveillance,
assessment, and evaluation of factory production control and
issued the certificate of conformity of the factory production
control.

Kevin Draper - Commercial Director
Acenta Hot Rolled Division.

27th September 2017
Date

Essential characteristic	Performance		Harmonised technical specification	
Tolerance on dimensions and shape	Flat bars Square bars		EN 10025-2 EN 10025-2	
Yield strength (longitudinal)	Nominal thickness (mm)		Values Min (Mpa)	
	>	<=		
	-	16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
Tensile strength (longitudinal)	Nominal thickness (mm)		Values (MPa)	
			min	max
	>	<=		
	3	100	470	630
	100	150	450	600
Elongation (longitudinal)	Nominal thickness (mm)		Values min (% 5.65 $\sqrt{s_0}$)	
	>	<=		
	3	40	22	
	40	63	21	
	63	100	20	
Impact strength (longitudinal)	J2		27J at -20 degrees Celsius	
	100	150	18	
Weldability CEV	Nominal thickness (mm)		Values max (%)	
	>	<=		
	-	30	0.45	
	30	40	0.47	
Durability	Nominal thickness (mm)		Values max (%)	
	-	<=40	C:0.20 (>30mm 0.22) Si: 0.55 Mn: 1.60 P: 0.025 S: 0.025 Cu: 0.55	
	>40	150	C: 0.22 Si: 0.55 Mn: 1.60 P: 0.025 S: 0.025 Cu: 0.55	

EN10025-1:2004



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Flats and square section S355J2

EN 10025-1 - 2004
Section S355J2 / 1.0577

To be used in-welded, bolted and riveted structures

Elongation
Tensile Strength:
Yield Strength:
Impact Strength:
Weldability:
Durability:

Dangerous Substances : No Performance Determined