Declaration of Performance

(according to Construction Product Regulation (EU Exit) 2020 No 1359)

No. Plate **S275N**

Plate **\$275N / 1.0490** according **EN 10025-3**

To be used in Metal Structures and Composite Metal and Concrete Structures

Liberty Steel Dalzell Limited

Park Street, Motherwell, ML1 1PU United Kingdom

Tel: +44 (0)1698 266100

Website: https://libertysteelgroup.com/uk/our-locations/liberty-steel-dalzell/

UK Conformity Assessment Body LRQA Verification Limited, 1 Trinity Park Bickenhill Lane, Birmingham B37 7ES Tel: +44 (0)330 414 1351 Website: www.lrqa.com

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

Factory production control assessment body No. 0038 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

Signed for and behalf of Liberty Steel Dalzell Ltd;

Name: Kenny McLeary Title: Technical Manager

Sign: K wcleard
Date: 04/02/22



Essential Characteristic	Performance				Harmonised Technical Specification
Tolerances on	Thickness		EN 10029		
dimensions & shape	Flatness		EN 10029		
Yield strength (transverse)	Nominal Thickness (mm)		Values Min (Mpa)		
	>	<=	275		ı
	-	16	275 265		
	16	40	255		
	40	63			
	63	80	245		
	80	100	235		
	100	150	225		
	Nominal Thi		Values (Mpa)		
Tensile strength	>	<=	Min	Max	
(transverse)	5	100	370	510	
	100	150	350	480	
	Nominal Thickness (mm)		Values Min (%, 5.65√so)		
Elongation	>	<=	• • • • • • • • • • • • • • • • • • • •		
(transverse)	0	63	24		
	63	150	23		
Impact strength (longitudinal)	L		40J at - 20°C		EN1005-1 2004
Weldability CEV	Nominal Thickness (mm)		Values Max (%)		
	>	<=	values wax (%)		
	-	63	0.40		
	30	100	0.40		
	100	150	0.42		
	Nominal Thickness (mm)				
	Nominal Thi	ckness (mm)	Values		
	Nominal Thi	ckness (mm)	Values I	Max (%)	
	Nominal Thi	ckness (mm)		Max (%) .18	
	Nominal Thi	ckness (mm)	C: 0	Max (%) 1.18 1.40	
	Nominal Thi	ckness (mm)	C: (Si: (Max (%) 0.18 0.40 1.50	
	Nominal Thi	ckness (mm)	C: (Si: (Mn:	Max (%) 0.18 0.40 1.50 030	
	Nominal Thi	ckness (mm)	C: (Si: (Mn: P: 0	Max (%) 1.18 1.40 1.50 1.50 1.50 1.50	
Durability	Nominal Thi	ckness (mm)	C: 0 Si: 0 Mn: P: 0 S: 0	Max (%) 1.18 1.40 1.50 0.30 0.25 0.05	
Durability			C: (Si: (Mn: P: 0 S: 0	Max (%) 1.18 1.40 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	
Durability			C: (Si: (Mn: P: 0 S: 0 Nb:	Max (%)18401.500300250.05	
Durability			C: 0 Si: 0 Mn: P: 0 S: 0 Nb: V: 0 Ti: 0	Max (%) 1.18 1.40 1.50 1.50 1.25 1.05 1.05 1.05 1.05 1.05	
Durability			C: C Si: (Mn: P: 0 S: 0 Nb: V: C Cr: (Max (%) 1.18 1.40 1.50 0.30 0.25 0.05 1.05 1.05 1.30	
Durability			C: C Si: C Mn: P: 0 S: 0 Nb: V: C Ti: C Ni: C	Max (%) 1.18 1.40 1.50 0.30 0.25 0.05 1.05 0.30 0.30 0.30 0.30 0.110	
Durability			C: C Si: C Mn: P: 0 S: 0 Nb: V: C Ti: C Ni: C Mo:	Max (%) 1.18 1.40 1.50 0.30 0.25 0.05 1.05 0.30 0.30 0.30 0.110 0.55	



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Plate S275N

EN 10025-1 - 2004

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Tolerances on dimensions: Plate EN10029

Elongation: Tensile Strength:

Yield Strength: EN10025-3

Impact Strength: Weldability: Durability:

Dangerous Substances: No Performance Determined