

Declaration of Performance

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

No. Plate **S355K2W**

Plate **S355K2W / 1.8967** according **EN 10025-5**

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://libersteeelgroup.com/uk/our-locations/liberty-steel-dalzell/>

UK Conformity Assessment Body
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Tel: +44 (0)207 423 2428
Website: www.lr.org

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 McLeary*
Date: 04/02/22



Essential Characteristic	Performance		Harmonised Technical Specification	
Tolerances on dimensions & shape	Thickness		EN 10029	
	Flatness		EN 10029	
Yield strength (transverse)	Nominal Thickness (mm)		Values Min (Mpa)	
	>	<=		
	-	16	355	
	16	40	345	
	40	63	335	
	63	80	325	
Tensile strength (transverse)	Nominal Thickness (mm)		Values (Mpa)	
	>	<=	Min	Max
	5	100	470	630
	100	150	450	600
	Nominal Thickness (mm)		Values Min (% , 5.65√so)	
>	<=			
Elongation (transverse)	0	40	20	
	40	63	19	
	63	150	18	
Impact strength (longitudinal)	L		40J at -20°C	
Weldability CEV	Nominal Thickness (mm)		Values Max (%)	
	>	<=		
	-	63		
	63	100	0.52	
Durability	Nominal Thickness (mm)		Values Max (%)	
	0	150	C: 0.16	
			Si: 0.50	
			Mn: 0.5 – 1.50	
			P: 0.030	
			S: 0.030	
			Nb: 0.015 – 0.060	
			V: 0.02 – 0.12	
			Ti: 0.02 – 0.10	
			Cr: 0.40 – 0.80	
			Ni: 0.65	
			Mo: 0.30	
			Cu: 0.25 - 0.55	
N: 0.009				

EN1005-1 2004

UK CA 0038

Liberty Steel Dalzell Limited
Park Street, Motherwell, ML1 1PU
United Kingdom

16

Plate **S355K2W**

EN 10025-1 – 2004

Plate **S355K2W / 1.8967**

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

Tolerances on dimensions: Plate EN10029

Elongation:
Tensile Strength:
Yield Strength: **EN10025-5**
Impact Strength:
Weldability:
Durability:
Dangerous Substances: No Performance Determined