



Declaration of Performance (DoP) in acc. with

**Construction Products (Amendment etc.) (EU Exit) Regulations 2019 (No. 465)
Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (No. 1359)**

No. ILGS355K2-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S355K2 / 1.0596 in accordance with EN 10025-2

2. Intended use(s):

Metallic structure, metallic- / concrete composite construction

3. Name, registered trade name or registered trademark and contact address of the manufacturer:

**Ilseburger Grobblech GmbH
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38871 Ilseburg, Germany
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Fax: +49 (0) 39452 85 - 8161
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4. Name and contact address of the authorised representative whose mandate covers the tasks:

- not applicable -

5. System or systems of assessment and verification of constancy of performance of the construction product:

System 2+

6. Declaration of performance concerning a construction product covered by a harmonised standard:

Approved Body - TÜV UK Ltd (No. UKAB 0879) - 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 in accordance with annex ZA of EN 10025-1:2004.



7. Declared Performance:

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape	see supplementary sheet 1				EN 10025-1:2004
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	≥		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
	100	150	295		
150	200	285			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
		≤	≥	≤	
	≥ 3	100	470	630	
	> 100	150	450	600	
	> 150	250	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
		≤	≥		
	≥ 3	40	20		
	> 40	63	19		
	> 63	100	18		
	> 100	150	18		
> 150	250	17			
Impact energy	Nominal thickness (mm)		Values (J) Temp. -20°C		
	>	≤	≥		
		150	40		
	150	250	33		
Weldability	Nominal thickness (mm)		CEV (%)		
	>	≤		≤	
		30		0,45	
	30	40		0,47	
	40	150		0,47	
	150	250		0,49	

Essential characteristic	Performance				Harmonised technical specification	
Durability	Nominal thickness (mm)		Ladle analysis (%)			EN 10025-1:2004
	>	≤			≤	
		40	C		0,20	
			Si		0,55	
			Mn		1,60	
			P		0,025	
			S		0,025	
			Cu		0,55	
	40	250	C		0,22	
			Si		0,55	
			Mn		1,60	
			P		0,025	
			S		0,025	
			Cu		0,55	

The performance of the product named above is in conformity with the declared performances.
This declaration of performance is issued under the sole responsibility of the above-mentioned manufacturer.

Signed for and on behalf of the manufacturer by:



Ilseburg, 01.11.2022

Dipl.-Ing. Andreas Rost
Head of Order Management and Technical Service