

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. ILGS355NL-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S355NL / 1.0546 in accordance with EN 10025-3

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								
200	250	275								
Tensile strength	Nominal thickness (mm)		Values (MPa)							
	>	≤	≥			≤				
		100	470			630				
	100	200	450			600				
200	250	450			600					
Elongation	Nominal thickness (mm)		Values (%)							
	>	≤	≥							
		16	22							
	16	40	22							
	40	63	22							
	63	80	21							
80	200	21								
200	250	21								
Impact energy	Nominal thickness (mm)		Values (J) Temp. (°C)							
			+20	0	-10	-20	-30	-40	-50	
		≤	≥							
	250	63	55	51	47	40	31	27		
Weldability	Nominal thickness (mm)		CEV (%)							
	>	≤	≤							
		63	0,43							
	63	100	0,45							
100	250	0,45								



Essential characteristic	Performance					Harmonised technical specification
Durability	Nominal thickness (mm)		Ladle analysis (%)			EN 10025-1:2004
		≤		≥	≤	
		250	C		0,18	
			Si		0,50	
			Mn	0,90	1,65	
			P		0,025	
			S		0,020	
			Nb		0,05	
			V		0,12	
			Al ges.	0,02		
			Ti		0,05	
			Cr		0,30	
			Ni		0,50	
			Mo		0,10	
	Cu			0,55		
	N		0,015			

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