
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. ILGS355N-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S355N / 1.0545 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
Veckenstedter Weg 10
38871 Ilseburg, Germany
Tel.: +49 (0) 39452 85 - 0
Fax: +49 (0) 39452 85 - 8161
www.ilseburger-grobblech.de**

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
		≤	≥			
	250	55	47	43	40	
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		0,20	
			Si		0,50	
			Mn	0,90	1,65	
			P		0,030	
			S		0,025	
			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