



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. ILGS500QL1-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S500QL1 / 1.8984 in accordance with EN 10025-6

2. Intended use(s):

Metallic structure, metallic- / concrete composite construction

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

**Ilsenburger Grobblech GmbH
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38871 Ilsenburg, 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)				
		≤	≥				
	≥ 3	50	500				
	> 50	100	480				
	> 100	125	440				
	> 125	200	440				
Tensile strength	Nominal thickness (mm)		Values (MPa)				
		≤	≥	≤			
	≥ 3	50	590	770			
	> 50	100	590	770			
	> 100	125	540	720			
	> 125	200	540	720			
Elongation	Nominal thickness (mm)		Values (%)				
		≤	≥				
		200	17				
Impact energy	Nominal thickness (mm)		Values (J) Temp. (°C)				
		≤		0	-20	-40	-60
	200	≥					
		longitudinal	60	50	40	30	
	transverse	40	35	30	27		
Weldability	Nominal thickness (mm)		CEV (%)				
	>	≤				≤	
		50				0,47	
	50	100				0,70	
	100	125				0,70	
	125	200				0,70	



Essential characteristic	Performance				Harmonised technical specification	
Durability	Nominal thickness (mm)		Ladle analysis (%)			EN 10025-1:2004
		≤		≥	≤	
		200	C		0,20	
			Si		0,80	
			Mn		1,70	
			P		0,020	
			S		0,010	
			N		0,015	
			B		0,005	
			Cr		1,50	
			Cu		0,50	
			Mo		0,70	
			Nb		0,06	
			Ni		4,0	
	Ti			0,05		
	V		0,12			
	Zr		0,15			

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