
**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. ILGS420N-UKCA-10025-01112022

1. Unique identification code of the product Type:

Plate S420N / 1.8902 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:

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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	420				
	16	40	400				
	40	63	390				
	63	80	370				
	80	100	360				
	100	150	340				
150	200	330					
200	250	320					
Tensile strength	Nominal thickness (mm)		Values (MPa)				
	>	≤	≥	≤			
		100	520	680			
	100	200	500	650			
200	250	500	650				
Elongation	Nominal thickness (mm)		Values (%)				
	>	≤	≥				
		16	19				
	16	40	19				
	40	63	19				
	63	80	18				
80	200	18					
200	250	18					
Impact energy	Nominal thickness (mm)		Values (J) Temp. (°C)				
			+20	0	-10	-20	
		≤	≥				
	250	55	47	43	40		
Weldability	Nominal thickness (mm)		CEV (%)				
	>	≤	≤				
		63	0,48				
	63	100	0,50				
100	250	0,52					



Essential characteristic	Performance					Harmonised technical specification
Durability	Nominal thickness (mm)		Ladle analysis (%)			EN 10025-1:2004
		≤		≥	≤	
		250	C		0,20	
			Si		0,60	
			Mn	1,00	1,70	
			P		0,030	
			S		0,025	
			Nb		0,05	
			V		0,20	
			Al ges.	0,02		
			Ti		0,05	
			Cr		0,30	
			Ni		0,80	
			Mo		0,10	
	Cu			0,55		
	N		0,025			

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