



Declaration of Performance (DoP) in acc. with

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

Nr. PTG23-UKCA-10025-14022022

1. Unique identification code of the product type:

Hot rolled constructional steel products

2. Type, batch or serial number or any element allowing identification of the construction product:

**Sections made from thermomechanical rolled weldable fine grain structural steel
EN 10025-4-S420M**

3. Intended use or uses of the construction product in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Welded, bolted and riveted structures

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

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5. Name and contact address of the authorised representative whose mandate covers the tasks:

- not applicable -

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

System 2+

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

Approved body – British Board of Agrément (no. 0863) – 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.



8. Declared Performance:

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and shape	I- and H- shaped sections see supplementary sheet 1 U-Shapes: see supplementary sheet 2				EN 10025-1:2004
	Nominal thickness (mm)		Values EN 10025-4-S420M		
Yield strength	>	≤	R_{eH} (MPa)		
			≥		
	-	16	420		
	16	40	400		
	40	63	390		
	63	80	380		
	80	100	370		
Tensile strength	>	≤	R_m (MPa)		
			≥	≤	
	-	40	520	680	
	40	63	500	660	
	63	80	480	650	
	80	100	470	630	
Elongation	>	≤	A₅ (%)		
			≥		
	-	100	19		
Impact strength	>	≤	KV (J) -20°C		
			≥		
	-	100	40		
Weldability	>	≤	CEV (%)		
			≤		
	-	16	0,43		
	16	40	0,45		
	40	63	0,46		
	63	100	0,47		
Durability	>	≤	Ladle analysis (%)		
			≥	≤	
	-	100	C: 0,18 V: 0,12 Si: 0,50 Ti: 0,05 Mn: 1,70 Cr: 0,30 P: 0,035 Ni: 0,80 S: 0,030 Mo: 0,20 Nb: 0,05 Cu: 0,55 N: 0,025		

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Peine, 14.02.2022

Marcus Lippe
Head of technical services and quality department