

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. SMGB022-UKCA-10025-01022024

1. Unique Identification Code of the product type:

Plate S355M in acc. with EN 10025-4

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

Type, batch and plate number

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

To be used in metal structures or in composite metal and concrete structures

4. Name, registered Trade Name or registered Trademark and contact address of the manufacturer:

**Salzgitter Mannesmann Grobblech GmbH,
Sandstr. 140,
45473 Mülheim, Germany,
Tel. +49 208 458-0,
www.smgb.de**

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 – TÜV UK Ltd (no. 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.

8. Declared Performance:

Essential Characteristic	Performance				Harmonised technical Specification	
Tolerances on dimensions and shape	<i>in acc. with</i> EN 10029:2010				EN 10025-1:2004	
Yield Strength	Nominal thickness (mm)		Value R_{eH} (MPa)			
	>	≤	min			
		16	355			
	16	40	345			
	40	63	335			
	63	80	325			
	80	100	325			
100	150	320				
Tensile Strength	Nominal thickness (mm)		Value R_m (MPa)			
	>	≤	Min	max		
		40	470	630		
	40	63	450	610		
	63	80	440	600		
	80	100	440	600		
100	150	430	590			
Elongation	Nominal thickness (mm)		Value A₅ (%)			
	>	≤	min			
		150	22			
Impact Strength longitudinal	Nominal thickness (mm)		Value (J/Temp. - 20°C)			
	≤		Min			
	150		40			
Weldability	Nominal thickness (mm)		Value CEV (%)			
	>	≤	max			
		16	0,39			
	16	40	0,39			
	30	63	0,40			
	63	120	0,45			
120	150	0,45				
Durability	Nominal thickness (mm)		Value (%) (Ladle analysis)			
	>	≤	max.			
		150	C: 0,14	P: 0,025	V: 0,10	Ni: 0,50
			Si: 0,50	S: 0,025	Ti: 0,05	Mo: 0,10
			Mn: 1,60	Nb: 0,05	Cr: 0,30	Cu: 0,55
	N: 0,015					
min.			Al _{ges. min.} : 0,02			

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:

Mülheim, 01.02.2024 **Bernd Schneider**
Head of quality department

This document is valid without signature