

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. SMGB034-UKCA-10025-01122022

1. Unique Identification Code of the product type:

Plate S355K2W in acc. with EN 10025-5

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 - British Board of Agrément (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	315					
100	150	295						
Tensile Strength	Nominal thickness (mm)		Value R _m (MPa)					
	>	≤	min	max				
		3	510	680				
	3	100	470	630				
	100	150	450	600				
Elongation	Nominal thickness (mm)		Value A ₅ (%)					
			longitudinal	transverse				
	>	≤	min	min				
	3	40	22	20				
	40	63	21	19				
	63	100	20	18				
100	150	18	18					
Impact Strength longitudinal	Nominal thickness (mm)		Value (J/Temp. - 20°C)					
		≤	min					
	150		40					
Weldability	Nominal thickness (mm)		Value CEV (%)					
	>	≤		max				
		150		0,55				
Durability	Nominal thickness (mm)		Value (%) (Ladle analysis)					
	>	≤	max.					
		150	C: 0,16 Si: 0,50 Mn: 0,5 - 1,5	P: 0,030 S: 0,030 N: -	Cr: 0,4 - 0,8 Cu: 0,25 - 0,55	CEV: 0,52		
			Addition of nitrogen-setting elements		-			
		other		-				

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, 01.12.2022 **Henning Rackow**
Plant manager

This document is valid without signature