

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. SMGB027-UKCA-10025-01122022

1. Unique Identification Code of the product type:

Plate S460ML in acc. with EN 10025-4

2. Type, Batch or serial number or any element allowing identification of the construction product as required under Article 11(4):

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. +49 208 458-4053
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	460			
	16	40	440			
	40	63	430			
	63	80	410			
	80	100	400			
100	150	385				
Tensile Strength	Nominal thickness (mm)		Value R _m (MPa)			
	>	≤	Min	max		
		40	540	720		
	40	63	530	710		
	63	80	510	690		
	80	100	500	680		
100	150	490	660			
Elongation	Nominal thickness (mm)		Value A ₅ (%)			
	>	≤	min			
		150	17			
Impact Strength longitudinal	Nominal thickness (mm)		Value (J/Temp. - 50°C)			
	≤		Min			
	150		27			
Weldability	Nominal thickness (mm)		Value CEV (%)			
	>	≤	max			
		16	0,45			
	16	40	0,46			
	30	63	0,47			
	63	120	0,48			
120	150	0,48				
Durability	Nominal thickness (mm)		Value (%) (Ladle analysis)			
	>	≤	max.			
		150	C: 0,16	P: 0,025	V: 0,12	Ni: 0,80
		150	Si: 0,60	S: 0,020	Ti: 0,05	Mo: 0,20
		150	Mn: 1,70	Nb: 0,05	Cr: 0,30	Cu: 0,55
	150	N: 0,025				
	150	min.				
	150	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, 01.12.2022 **Henning Rackow**
Plant manager

This document is valid without signature