

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. SMGB014-UKCA-10025-01122022

1. Unique Identification Code of the product type:

Plate S355N in acc. with EN 10025-3

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. +49 208 458-4053
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	Leistung Performance				Harmonised technical Specification					
Tolerances on dimensions and shape	gemäß / in acc. with 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						
		100	470	630						
	100	150	450	600						
Elongation	Nominal thickness (mm)		Value A ₅ (%)							
	>	≤	min							
		16	22							
	16	40	22							
	40	63	22							
	63	80	21							
80	150	21								
Impact Strength longitudinal	Nominal thickness (mm)		Value (J/Temp. - 20°C)							
	≤		Min							
	150		40							
Weldability	Nominal thickness (mm)		Value CEV (%)							
	>	≤			max					
		63			0,43					
	63	100			0,45					
	100	150			0,45					
Durability	Nominal thickness (mm)		Value (%) (Ladle analysis)							
	>	≤	max.							
		150	C: 0,20 Si: 0,50 Mn: 0,90 - 1,65	P: 0,030 S: 0,025 Nb: 0,05	V: 0,12 Ti: 0,05 Cr: 0,30	Ni: 0,50 Mo: 0,10 Cu: 0,55	N: 0,015			
			min.		Alges. 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