

# 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. SMGB018-UKCA-10025-01122022

1. Unique Identification Code of the product type:

### Plate S460N 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 -

- 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, as sessment 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:

Performance			Harmonised technical Specification			
in acc. with EN 10029:2010						
Nominal thick- ness (mm)		Value R₀н (MPa) min		-		
> <					1	
	16					
16						
Nominal thick-		Value R <sub>m</sub> (MPa)		-		
>	<	Min		max		
	100				-	
100					-	
Nominal thick-		Value A₅ (%)		EN 10025-1:2004		
>	<	min			-	
	16					
16						
40						
Nominal thick-		Value (J/Temp 20°C)		-		
<u>&lt;</u>		Min				
1:	50	40				
Nominal thick- ness (mm)		Value CEV (%)				
>	<			max		
	63			0,53		
100				0,55		
Nomina	al thick-		Value (%)			
		(Ladle analysis)				
ness	<u>, , , , , , , , , , , , , , , , , , , </u>	(1	_adie analysis)			
	(mm) <u>&lt;</u>	(1	_adle analysis)	max.	1	
ness	<u>&lt;</u>	(I C: 0,20 Si: 0,60 Mn: 1,00 - 1,70	P: 0,030 S: 0,025 Nb: 0,05	V: 0,20 Ti: 0,05	Ni: 0,80 Mo: 0,10 Cu: 0,55	N: 0,025
ness	<u>, , , , , , , , , , , , , , , , , , , </u>	C: 0,20 Si: 0,60	P: 0,030 S: 0,025	V: 0,20	Mo: 0,10	N: 0,025
	Nomina ness > 16 40 63 80 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness > 100 Nomina ness 3 100 Nomina 100 Nomina ness 3 100 Nomina 100 Nomina ness 100 Nomina Nomina Nomi	Nominal thick-ness (mm)     >   ≤     16   16     16   40     40   63     63   80     100   150     Nominal thick-ness (mm)   >     2   100     100   150     Nominal thick-ness (mm)   >     2   16     16   40     40   63     80   150     Nominal thick-ness (mm)   >     2   150     Nominal thick-ness (mm)   ≤     150   Nominal thick-ness (mm)     2   63     63   100     100   150	in acc. with   EN 10029:20   Nominal thick- Va   > $\leq$ min   16 460 440   40 63 430   63 80 410   80 100 400   100 150 380   Nominal thick- Va   ness (mm) Va   > $\leq$ Min   100 150 530   Nominal thick- Va   ness (mm) Va   > $\leq$ min   16 40 17   16 40 17   16 17 16   16 17 16   16 17 16   40 63 17   80 150 17   Nominal thick- Value   ness (mm) Value $\leq$ 63   63 100   100 150	Performance     in acc. with     EN 10029:2010     Nominal thick- ness (mm)   Value ReH (MPa)     >   ≤   min     16   460   440     40   63   430     63   80   410     80   100   400     100   150   380     Nominal thick- ness (mm)   Value Rm (MPa)     >   ≤   Min     100   150   530     Nominal thick- ness (mm)   Value A₅ (%)     >   ≤   min     16   17   16     16   17   16   40     17   16   40   17     80   150   17     Nominal thick- ness (mm)   Value (J/Temp 20     ≤   Min     150   40     Nominal thick- ness (mm)   Value CEV (%)     >   ≤     63   100     150   40 <t< td=""><td>Performance     in acc. with     EN 10029:2010     Nominal thick- ness (mm)   Value ReH (MPa)     &gt;   ≤   min     16   460   430     63   80   410     80   100   400     100   150   380     Nominal thick- ness (mm)   Value Rm (MPa)   max     100   550   720     100   150   530   700     Nominal thick- ness (mm)   Value Rm (MPa)   max     100   550   720     100   150   530   700     Nominal thick- ness (mm)   Value As (%)   Min     16   17   16   40     150   17   17   80   150     150   40   17   150   40     Nominal thick- ness (mm)   Value CEV (%)   max     63   100   0,53   0,53     63   100   0,53   0,54</td><td>Performance   Harmonise Specifi     in acc. with EN 10029:2010   Image: Comparison of the system o</td></t<>	Performance     in acc. with     EN 10029:2010     Nominal thick- ness (mm)   Value ReH (MPa)     >   ≤   min     16   460   430     63   80   410     80   100   400     100   150   380     Nominal thick- ness (mm)   Value Rm (MPa)   max     100   550   720     100   150   530   700     Nominal thick- ness (mm)   Value Rm (MPa)   max     100   550   720     100   150   530   700     Nominal thick- ness (mm)   Value As (%)   Min     16   17   16   40     150   17   17   80   150     150   40   17   150   40     Nominal thick- ness (mm)   Value CEV (%)   max     63   100   0,53   0,53     63   100   0,53   0,54	Performance   Harmonise Specifi     in acc. with EN 10029:2010   Image: Comparison of the system o

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

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