

**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. SMGB016-UKCA-10025-01022024**

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1. Unique Identification Code of the product type:

**Plate S420N 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 – 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					
<b>Tolerances on dimensions and shape</b>	<i>in acc. with</i> EN 10029:2010				<b>EN 10025-1:2004</b>					
<b>Yield Strength</b>	<b>Nominal thickness (mm)</b>		<b>Value R<sub>eH</sub> (MPa)</b>							
	>	≤	<b>min</b>							
		16	420							
	16	40	400							
	40	63	390							
	63	80	370							
	80	100	360							
	100	150	340							
<b>Tensile Strength</b>	<b>Nominal thickness (mm)</b>		<b>Value R<sub>m</sub> (MPa)</b>							
	>	≤	<b>Min</b>	<b>max</b>						
		100	520	680						
	100	150	500	650						
<b>Elongation</b>	<b>Nominal thickness (mm)</b>		<b>Value A<sub>5</sub> (%)</b>							
	>	≤	<b>min</b>							
		16	19							
	16	40	19							
	40	63	19							
	63	80	18							
	80	150	18							
<b>Impact Strength longitudinal</b>	<b>Nominal thickness (mm)</b>		<b>Value (J/Temp. - 20°C)</b>							
	≤		<b>Min</b>							
	150		40							
<b>Weldability</b>	<b>Nominal thickness (mm)</b>		<b>Value CEV (%)</b>							
	>	≤			<b>max</b>					
		63			0,48					
	63	100			0,50					
	100	150			0,52					
<b>Durability</b>	<b>Nominal thickness (mm)</b>		<b>Value (%) (Ladle analysis)</b>							
	>	≤	<b>max.</b>							
		150	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 Cr: 0,30	Ni: 0,80 Mo: 0,10 Cu: 0,55	N: 0,025			
			<b>max.</b>							
					Al <sub>ges. min</sub> : 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