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. SMGB010-UKCA-10025-01122022

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1. Unique Identification Code of the product type:

   Plate S355K2 in acc. with EN 10025-2

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 as required pursuant Article 11(5):

   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 as set out in EU-Regulation 305/2011 Annex V:

   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	*in acc. with* EN 10029:2010						**EN 10025-1:2004**
Yield Strength	**Nominal thickness**		**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 (%)**				
	>	**≤**	**min**				
	3	40	20				
	40	63	19				
	63	100	18				
	100	150	18				
Impact Strength	**Nominal thickness (mm)**		**Value (J/Temp. - 20°C)**				
	≤		**Min**				
	150		40				
Weldability	**Nominal thickness (mm)**		**Value CEV (%)**				
	>	**≤**		**max**			
		30		0,45			
	30	40		0,47			
	40	150		0,47			
Durability	**Nominal thickness (mm)**		**Value (%) (Ladle analysis)**				
	>	**≤**	**max.**				
		40	C: 0,20[i] Si: 0,55	Mn: 1,60 P: 0,025	S: 0,025 N: -	Cu: 0,55	
	40		C: 0,22 Si: 0,55	Mn: 1,60 P: 0,025	S: 0,025 N: -	Cu: 0,55	

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