VÍTKOVICE STEEL

DECLARATION OF PERFORMANCE

No. 0014/19

REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

1. Unique identification code of the product - type:

Flat hot rolled steel product - grade S355N_1.0545 according to EN 10025-3

2. Intended use:

Steel construction or in composite metal and concrete structures

3. Manufacturer:

VÍTKOVICE STEEL, a.s.

Address: **Českobratrská 3321/46, Moravská Ostrava, PSČ: 702 00 Ostrava, ČR**
Phone.: **+420 595 696 077**
Fax: **+420 595 696 070**
E-mail: **sekretariat@vitkovicesteel.com**

5. System of AVCP:

System 2+

6. Harmonised standard:

EN 10025-1

Notified body:

TÜV NORD Systems GmbH & Co. KG, *NB No.* 0045

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Moravská Ostrava, **March 21st, 2019**

Name: **Radim Pachlopník**
Position: **Managing Director**
Signature:

Name: **Otakar Blahož**
Position: **Quality Manager**
Signature:

7. Declared performance:

Essential characteristic			Technical parameters			Harmonised techn. Specification
Tolerances on dimensions and shape						EN 10029
Tensile test	**Nominal thickness (mm)**		**Values**			EN 10025-3
	>	≤	Yield strength min (MPa)	Tensile strength (MPa)	Elongation min (%)	
		16	355	470 - 630	22	
	16	40	345	470 - 630	22	
	40	63	335	470 - 630	22	
	63	80	325	470 - 630	21	
	80	100	315	470 - 630	21	
	100	150	295	450 - 600	21	
	150	200	285	450 - 600	21	
	200	250	275	450 - 600	21	
Impact test KV L	**Nominal thickness (mm)**		**Values**			
	>	≤	min (J)			
	6	250	40 at -20°C			
Carbon equivalent	**Nominal thickness (mm)**		**Values**			
	>	≤	max. (CEV, %)			
		63	0,43			
	63	100	0,45			
	100	250	0,45			
Chemical composition	**Values**					
			min (%)	max. (%)		
	C			0,20		
	Si			0,50		
	Mn		0,90	1,65		
	P			0,030		
	S			0,025		
	Nb			0,05		
	V			0,12		
	$Al_{celkový}$		0,02			
	Ti			0,05		
	Cr			0,30		
	Ni			0,50		
	Mo			0,10		
	Cu			0,55		
	N			0,015		