

DECLARATION OF PERFORMANCE

No. 0009/14

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 S355J2_1.0577 according to
EN 10025-2:2004**

2. Intended use:

Steel construction or in composite metal and concrete structures

3. Manufacturer:

VÍTKOVICE STEEL, a.s.

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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 10025-2:2004: E, November 2004

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, July 1st, 2014

Name: **Pontus Sjöberg**Name: **Otakar Blahož**Position: **Managing Director**Position: **Quality Manager**Signature: Signature: 

7. Declared performance:

Essential characteristic		Technical parameters			Harmonised techn. Specification
Tolerances on dimensions and shape					EN 10029:2010
Tensile test	Nominal thickness (mm)		Values		
	>	≤	Yield strength min (MPa)	Tensile strength (MPa)	Elongation min (%)
	5	16	355	470 - 630	20
	16	40	345	470 - 630	20
	40	63	335	470 - 630	19
	63	80	325	470 - 630	18
	80	100	315	470 - 630	18
	100	150	295	450 - 600	18
	150	200	285	450 - 600	17
200	250	275	450 - 600	17	
Impact test KV L	Nominal thickness (mm)		Values		
	>	≤	min (J)		
	6	250	27 at -20°C		
Carbon equivalent	Nominal thickness (mm)		Values		
	>	≤	max. (CEV, %)		
		30	0,45		
	30	150	0,47		
	150	250	0,49		
Chemical composition	Nominal thickness (mm)		Values		
	>	≤	min (%)		max. (%)
		40	C	0,20	
			Si	0,55	
			Mn	1,60	
			P	0,025	
			S	0,025	
			N	-	
			Cu	0,55	
	40	250	C	0,22	
			Si	0,55	
			Mn	1,60	
			P	0,025	
			S	0,025	
		N	-		
		Cu	0,55		

EN 10025-2:2004