



U. S. Steel Košice, s.r.o.
A Subsidiary of United States Steel



DECLARATION OF PERFORMANCE NO. USSK-29/2013

1. Unique identification code for product type:	Spiral welded steel pipe – steel grade L355
2. Batch No./Serial No.: <i>acc. to article 11 par. 4</i>	see marking/label/inspection certificate
3. Intended use for construction product:	For transport, storage and supply of water which is not intended for human consumption
4. Contact address of manufacturer:	U. S. Steel Košice, s. r. o. Vstupný areál U. S. Steel 044 54 Košice Slovak Republic Producing plant: Radiators and Pipes DP, Pipes Mill
5. Contact address of authorized representative:	not relevant
6. Assessment system and verification for constancy of performance:	system 4
Harmonized standard:	EN 10224:2002/A1:2005
7. The notified body:	Manufacturer performed the type test and issued a report on initial type testing for spiral welded pipes on May 23, 2005. Number of product group according to the Decree MDVRR SR No.162/2013 – 3501.
8. Construction product with European Technical Assessment:	no

9. Declared performance:

Essential characteristics	Performance		Technical specification
Reaction to fire	Class A		EN 10224:2002/A1:2005 Article 7.11
Dimensional tolerances	Outside diameter (D)	max. ± 0,75% max. ± 6 mm pipe end ± 1,6 mm	EN 10224:2002/A1:2005 Article 7.7.2.3., 7.7.3, 7.7.4.3, 7.7.6.2, 7.7.7
	Thickness (T)	max. ± 7,5% of thickness	
	Out of roundness (O)	max. 2% at diameter to thickness ratio ≤ 100	
	Length (L)^{b)}	max. +50 mm, - 0 mm ^{a)}	
	Straightness	max. 0,2%	
^{a)} At length L greater than 6000 mm and less than 12000 mm and outside diameter more than 406,4 mm			
^{b)} At length L greater than 12000 mm the length tolerance is agreed with customer, the minus tolerance is always 0			
Minimum elongation A	L355	19%	EN 10224:2002/A1:2005 Article 7.3.1, table 3
Minimum yield strength R_e	L355	355 MPa	EN 10224:2002/A1:2005 Article 7.3.1, table 3
Tensile strength R_m	L355	500 to 650 MPa	EN 10224:2002/A1:2005 Article 7.3.1, table 3
Tightness	L355	max. 70 bar	EN 10224:2002/A1:2005 Article 10.3.2
Hazardous substances	L355	without hazardous substances	EN 10224:2002/A1:2005 Article 7.12

10. The producer declares, on their own responsibility, that the properties of the above stated products are in conformance with attributes declared in the following table. This declaration of parameters is developed in accordance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council laying down harmonized conditions for the marketing of construction product. The declaration of performance is valid since December 9, 2013.

Name: Ing. Jaroslav Grutka
Position: Director of Radiators and Pipes DP

Ing. Ferdinand Kóča
Head of QMS department

Signature: