



DECLARATION OF PERFORMANCE
(According to regulation EU No 305/2011)
№ 01 CPR 2017-05-29

1. Product type: Cold Formed Welded Structural Hollow Sections of Non-Alloy and Fine Grain Steels-Circular, Square and Rectangular Forms.

Wall thickness: 1,5 mm - 8,0 mm

Tubes-external diameter: 21.3 mm - 219.1 mm

Square profiles: 20x20 mm - 200x200 mm

Rectangular profiles: 40x20 mm - 200x120 mm

2. Type: **S235JRH 1.0039 acc. to EN 10219-1**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For building and civil engineering

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

ERBOSAN ERCIYAS TUBE INDUSTRY AND TRADE CO. INC.
Anbar Mahallesi 895. Sokak No:9 P.K. 375 Kayseri Turkey
www.erbosan.com.tr Tel: +90 352 311 35 11 Fax: +90 352 311 35 16

5. System or systems of assessment and verification of constancy of performance of the construction product:

System 2+

6. Harmonized standard: EN 10219-1:2006

SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş. NB 2195, performed the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control 2195-CPR-1714901 on 29 May 2017

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. 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:

Mustafa AKPINAR
Production Manager
Date: 29/05/2017



7. Declared performance

Essential	Characteristics	Performance	Harmonised Tech. Spec.
Tolerances (Conforms)	Outside dimensions	Table 2 (EN 10219-2)	EN 10219-1
	Thickness		
	Out of Roundness		
	Concavity		
	Squerness of side		
	External corner profile		
	Twist		
	Straightness		
	Mass		
	Random Length		
	Approximate Length		
	Exact Length		
		Maximum weld bead height	
Yield Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)	
	< 16	min. 235	
	≥ 16 ≤ 40	min. 225	
Tensile Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)	
		min.	max.
		< 3	360
≥ 3 ≤ 40	340	470	
Elongation (Conforms)	Nominal Thickness (mm)	Values (%)	
		min. 24	
Weldability (Conforms)	Chemical Composition	Values (%) max.	
		C:	0,17
		Si:	---
		Mn:	1,40
		P:	0,040
	S:	0,040	
	N:	0,009	
	Max. carbon equivalent, based on cast analysis	CEW	0,35
Impact strength		NPD	
Durability ^a		NPD	

^aDurability (against corrosion) is dependent on the method of protection and/or thickness of coating.
Note: Possible specifications requested by the client can be seen in the Mill Test Certificate.



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2. Type: **S275J0H 1.0149 acc. to EN 10219-1**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

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Essential	Characteristics	Performance	Harmonised Tech. Spec.	
Tolerances (Conforms)	Outside dimensions	Table 2 (EN 10219-2)	EN 10219-1	
	Thickness			
	Out of Roundness			
	Concavity			
	Squerness of side			
	External corner profile			
	Twist			
	Straightness			
	Mass			
	Random Length			Table 4 (EN 10219-2)
	Approximate Length			
	Exact Length			
		Maximum weld bead height		Table 5 (EN 10219-2)
Yield Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)	EN 10219-1	
	< 16	min. 275		
	≥ 16 ≤ 40	min. 265		
Tensile Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)		
		min.		max.
	< 3	430		580
	≥ 3 ≤ 40	410		560
Elongation (Conforms)	Nominal Thickness (mm)	Values (%)		
		min. 20		
Weldability (Conforms)	Chemical Composition	Values (%) max.		
		C:		0,20
		Si:		---
		Mn:		1,50
		P:	0,035	
	S:	0,035		
	N:	0,009		
	Max. carbon equivalent, based on cast analysis	CEW	0,40	
Impact strength		NPD		
Durability ^a		NPD		

^aDurability (against corrosion) is dependent on the method of protection and/or thickness of coating.
Note: Possible specifications requested by the client can be seen in the Mill Test Certificate.



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2. Type: **S275J2H 1.0138 acc. to EN 10219-1**

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Tolerances (Conforms)	Outside dimensions	Table 2 (EN 10219-2)	EN 10219-1
	Thickness		
	Out of Roundness		
	Concavity		
	Squerness of side		
	External corner profile		
	Twist		
	Straightness		
	Mass		
	Random Length		
	Apporoximate Length		
	Exact Length		
	Maximum weld bead height	Table 5 (EN 10219-2)	
Yield Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)	
	< 16	min. 275	
	≥ 16 ≤ 40	min. 265	
Tensile Strength (Conforms)	Nominal Thickness (mm)	Values (MPa)	
		min.	max.
	< 3	430	580
	≥ 3 ≤ 40	410	560
Elongation (Conforms)	Nominal Thickness (mm)	Values (%)	
	≤ 40	min. 20	
Weldability (Conforms)	Chemical Composition	Values (%) max.	
		C:	0,20
		Si:	---
		Mn:	1,50
		P:	0,030
	S:	0,030	
	N:	---	
	Max. carbon equivalent, based on cast analysis	CEW	0,40
Impact strength		NPD	
Durability ^a		NPD	

^aDurability (against corrosion) is dependent on the method of protection and/or thickness of coating.
Note: Possible specifications requested by the client can be seen in the Mill Test Certificate.