

## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 01/16

Unique identification	TE CBBBBBBB.CC.AAAAA COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS				
code of the product-type					
	Steel Grade	Hollow Section		Dimensions	
Product-type reference		Circular	Outside diameter (D) x Thickness (T): (21,3x1,5 to 323,9x12,5) mm		
	S235JRH	Square	Side Dimension ( <i>B</i> ) x Thickness ( <i>T</i> ) : (20x1,5 to 260x12,5) mm		
		Rectangular	Side Dimensions ( <i>BxH</i> ) x Thickness ( <i>T</i> ) : (40x20x1,5 to 300x200x12,5) mm		
Intended use	To be used in metal structures or in composite metal and concrete structures.				
Name, registered trade name and contact address of the manufacturer	FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA Carregosa - Oliveira de Azeméis 3731 - 956 VALE DE CAMBRA PORTUGAL				
System of assessment and verification of constancy of performance	System 2 +				
Notified body	CERTIF NB No. 1328, 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 No 1328-CPR-0121.				
Declared performance:					
Essential characteristics	Performance Harmonised technical specification				
<ul> <li>Tolerances on dimensions and shape</li> </ul>	Conform				
– Elongation	Minimum 24	%			
- Tensile strength	T < 3 mm : 360 ≤ Rm ≤ 510 MPa				
<ul><li>Yield strength</li></ul>	$T \ge 3 \text{ mm}$ : 360 ≤ $Rm \le 510 \text{ MPa}$ EN 10219-1 : 20 $T \le 16 \text{ mm}$ : $ReH \ge 235 \text{ MPa}$		EN 10219-1 : 2006		
<ul><li>Impact strength</li></ul>	Minimum 27 J (20 °C)				
– Weldability	CEV maximu	m : 0,35 %			
– Durability	Uncoated Suitable for h	ot dip galvanizi	ng		
The Performance of the produ	ct identified i	n this document	is in conformity with the Declar	ed performance above described.	

This DECLARATION OF PERFORMANCE is issued under the exclusive responsibility of the manufacturer identified. Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016



## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 02/16

Code of the product-type   COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEE	ique identification	TE CBBBBBB.CC.AAAAA				
Product-type reference  S275JOH S275JO	1	COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS				
Square   Side Dimension (B) x Thickness (7) : (20x1,5 to 260x12,5) mm   S275J2H   Square   Rectangular   Side Dimensions (BxH) x Thickness (7) : (40x20x1,5 to 300x200x12,5		Steel Grade	<b>Hollow Section</b>		Dimensions	
S275J2H   Square   Side Dimensions (B) x Thickness (7): (20x1,5 to 260x12,5) mm	Product-type reference	\$275 IOU	Circular	Outside diameter (D) x Thickness (T): (21,3x1,5 to 323,9x12,5) mm		
Rectangular   Side Dimensions (BxH) x Thickness (T): (40x20x1,5 to 300x200x12,5 to 300x200x1			Square	Side Dimension (B) x Thickness		
Name, registered trade name and contact address of the manufacturer  System of assessment and verification of constancy of performance  Notified body  CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory procontrol and issued the Certificate of Conformity of the factory production control No 1328-CPR-C  Declared performance:  Essential characteristics  Performance  Performance  Performance  Harmonised technical specification  Conform  Minimum 20 %		Rectangular Side Dimensions (BxH) x Thickness (T): (40x20x1,5 to 300x200x12				
name and contact address of the manufacturer  System of assessment and verification of constancy of performance  CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory pro control and issued the Certificate of Conformity of the factory production control No 1328-CPR-C  Declared performance:  Essential characteristics  Performance  Performance  Harmonised technical specification  Conform  High Minimum 20 %	tended use	To be used in metal structures or in composite metal and concrete structures.				
address of the manufacturer  System of assessment and verification of constancy of performance  Notified body  CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory procontrol and issued the Certificate of Conformity of the factory production control No 1328-CPR-C  Declared performance:  Essential characteristics  Performance  Performance  Harmonised technical specification  Conform  Conform  Minimum 20 %		FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA				
manufacturer       PORTUGAL         System of assessment and verification of constancy of performance       System 2 +         Notified body       CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory procontrol and issued the Certificate of Conformity of the factory production control No 1328-CPR-C         Declared performance:       Performance       Harmonised technical specification         - Tolerances on dimensions and shape       Conform         - Elongation       Minimum 20 %						
System of assessment and verification of constancy of performance  CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory pro control and issued the Certificate of Conformity of the factory production control No 1328-CPR-C  Declared performance:  Essential characteristics Performance  Performance  Harmonised technical specification  Conform  Conform  Minimum 20 %			ALE DE CAMBRA	4		
and verification of constancy of performance  CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory proceed to control and issued the Certificate of Conformity of the factory production control No 1328-CPR-CONTROL CONTROL CONTRO		PORTUGAL				
Performance   Performance   Performance   Performance   Conform	d verification of nstancy of	System 2 +				
Essential characteristics Performance Harmonised technical specification  - Tolerances on dimensions and shape Conform  - Elongation Minimum 20 %	tified body	CERTIF NB No. 1328, 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 No 1328-CPR-0121.				
- Tolerances on dimensions and shape	clared performance:					
dimensions and shape Conform  - Elongation Minimum 20 %	sential characteristics		<u>Perfo</u>	<u>ormance</u>		
- Elongation Minimum 20 %	olerances on					
	mensions and shape	Conform				
			0.4			
- Tensile strength $T < 3 \text{ mm} \cdot 430 < Rm < 580 \text{ MP}_2$	ongation	Minimum 20	%			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ensile strength	T < 3 mm : 430 ≤ Rm ≤ 580 MPa				
<i>T</i> ≥ 3 mm : 410 ≤ <i>Rm</i> ≤ 560 MPa		<i>T</i> ≥ 3 mm :	$410 \le Rm \le 560$	MPa	•	
Yield strength $T \le 16 \text{ mm}$ : ReH ≥ 275 MPa EN 10219-1: 2006	eld strength	<i>T</i> ≤ 16 mm : <i>i</i>	<i>ReH</i> ≥ 275 MPa	MPa EN 10219-1 : 2006		
- Impact strength S275J0H: Minimum 27 J (0 ºC) S275J2H: Minimum 27 J (-20 ºC)						
- Weldability CEV maximum : 0,40 %	/eldability	CEV maximur	n : 0,40 %			
- Durability Uncoated	urability	Uncoated				
Suitable for hot dip galvanizing		Suitable for h	ot dip galvanizi	ng		
The Performance of the product identified in this document is in conformity with the Declared performance above described.						

This DECLARATION OF PERFORMANCE is issued under the exclusive responsibility of the manufacturer identified.

Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016





## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 03/16

Unique identification	ТЕ СВВВВВВВ.СС.ААААА				
code of the product-type	COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS				
	Steel Grade Hollow Section Dimensions S355J0H Circular Outside diameter (D) x Thickness (T): (21,3x1,5 to 323,9x12,5) mm				
Product-type reference	S355J2H	Square	Side Dimension (B) x Thickness (		
	S355K2H Rectangular Side Dimensions ( <i>BxH</i> ) x Thickness ( <i>T</i> ) : (40x20x1,5 to 300x200x12,5) mm				
Intended use	To be used in metal structures or in composite metal and concrete structures.				
Name, registered trade name and contact address of the manufacturer	FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA Carregosa - Oliveira de Azeméis 3731 - 956 VALE DE CAMBRA PORTUGAL				
System of assessment and verification of constancy of performance	System 2 +				
Notified body	CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of factor production control and the continuous surveillance, assessment and evaluation of factory production control and issued the Certificate of Conformity of the factory production control No 1328-CPR-0121.				
Declared performance:			4.00		
Essential characteristics		<u>Perfo</u>	ormance	<u>Harmonised technical</u> <u>specification</u>	
- Tolerances on dimensions and shape	Conform				
- Elongation	Minimum 20	%			
– Tensile strength		510 ≤ <i>Rm</i> ≤ 680 470 ≤ <i>Rm</i> ≤ 630	· •		
<ul> <li>Yield strength</li> </ul>	T ≤ 16 mm : ReH ≥ 355 MPa EN 10219-1 : 2006		EN 10219-1 : 2006		
- Impact strength	S355J2H : Mi	nimum 27 J (0 º nimum 27 J (-20 nimum 40 J (-20	0 °C)		
– Weldability	CEV maximui	m : 0,45 %			
– Durability		ot dip galvanizi			
The Performance of the produ			is in conformity with the Declare	ed performance above described.	

This DECLARATION OF PERFORMANCE is issued under the exclusive responsibility of the manufacturer identified. Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016





## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 04/16

Unique identification	TE CBBBBBBB.CC.AAAAA				
code of the product-type	COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS				
	Steel Grade	<b>Hollow Section</b>		Dimensions	
Product-type reference		Circular	Outside diameter (D) x Thickness (T): (21,3x1,5 to 323,9x12,5) mm		
Product-type reference	S420MH	Square	Side Dimension (B) x Thickness (T): (20x1,5 to 260x12,5) mm		
	Rectangular Side Dimensions (BxH) x Thickness (T): (40x20x1,5 to 300x200x12,5				
Intended use	To be used in metal structures or in composite metal and concrete structures.				
Name, registered trade name and contact address of the manufacturer	FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA Carregosa - Oliveira de Azeméis 3731 - 956 VALE DE CAMBRA PORTUGAL				
System of assessment and verification of constancy of performance	System 2 +				
Notified body	CERTIF NB No. 1328, 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 No 1328-CPR-0121.				
Declared performance:					
Essential characteristics	Performance Harmonised technical specification				
<ul> <li>Tolerances on dimensions and shape</li> </ul>	Conform				
- Elongation	Minimum 19 %				
- Tensile strength	510 ≤ <i>Rm</i> ≤ 680 MPa				
- Yield strength	ReH ≥ 420 MPa		EN 10219-1 : 2006		
- Impact strength	Minimum 40 J (-20 ºC)				
- Weldability	CEV maximum : 0,43 %				
- Durability		not dip galvanizi		ed performance above described.	

This DECLARATION OF PERFORMANCE is issued under the exclusive responsibility of the manufacturer identified. Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016

FERRINA

**Nuno Ribeiro Pires** 

(Board Member)





## INDÚSTRIAS DE TUBOS DE AÇO

de Fernando Pinho Teixeira, S. X.

# DECLARATION OF PERFORMANCE DOP - FERPINTA 05/16

code of the product-type   CC   Step    Product-type reference   S	obe used in	Hollow Section Circular Square Rectangular	Outside diameter (D) x Thicknes Side Dimension (B) x Thickness Side Dimensions (BxH) x Thickness	
Product-type reference S	S355MH  be used in	Hollow Section Circular Square Rectangular	Outside diameter (D) x Thicknes Side Dimension (B) x Thickness Side Dimensions (BxH) x Thickness	Dimensions ss (7) : (21,3x1,5 to 323,9x12,5) mm (7) : (20x1,5 to 260x12,5) mm
Product-type reference S	S355MH Debugger be used in	Circular Square Rectangular	Side Dimension (B) x Thickness Side Dimensions (BxH) x Thickn	ss (7) : (21,3x1,5 to 323,9x12,5) mm (7) : (20x1,5 to 260x12,5) mm
3	be used in	Square Rectangular	Side Dimension (B) x Thickness Side Dimensions (BxH) x Thickn	(T): (20x1,5 to 260x12,5) mm
	be used in	Rectangular	Side Dimensions (BxH) x Thickn	
Intended use	RPINTA - Ir			
	RPINTA - Ir	metal structure		
			es or in composite metal and co	
		FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA		
		lliveira de Azem ALE DE CAMBRA		
	ORTUGAL	ALL DE CAMIDITA	`	
System of assessment				
and verification of constancy of	System 2 +			
performance				
CE	CERTIF NB No. 1328, performed the initial inspection of the manufacturing plant and of factor production control and the continuous surveillance, assessment and evaluation of factory production.			
Notified body   pro				ment and evaluation of factory production
coi	ntrol and is	sued the Certifi	icate of Conformity of the factor	y production control No 1328-CPR-0121.
Declared performance:				
Essential characteristics	Performance Harmonised technical			
Talamanaaa				<u>specification</u>
- Tolerances on dimensions and shape Con	Conform (EN 10219-2)			
COI	inonii (EN	1 10219-2)		
- Elongation Min	inimum 22 S	%		
- Tensile strength 450	450 ≤ <i>Rm</i> ≤ 610 MPa			
				EN 10210 1 2006
- Yield strength Ref	ReH ≥ 355 MPa		EN 10219-1 : 2006	
- Impact strength Mir	Minimum 40 J (-20 ºC)			
- Weldability CE\	CEV maximum : 0,39 %			
- Durability Und	coated			
Suit	table for ho	ot dip galvanizin	ng	
The Performance of the product id	dentified in	this document	is in conformity with the D	

The Performance of the product identified in this document is in conformity with the Declared performance above described. This DECLARATION OF PERFORMANCE is issued under the exclusive responsibility of the manufacturer identified.

Declaration of Performance in accordance with the REGULATION (EU) No 305/2011







## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 10/16

Unique identification	ТС СВВВВВВВ.СС.ААААА				
code of the product-type	NON-ALLOY STEEL TUBES SUITABLE FOR WELDING AND THREADING.				
Product-type reference	TUBES W R3/8 (17,2 mm) to R4 (114,3 mm), Type L1 and L2, WITHOUT COATING and GALVANIZED				
Intended uses	Distribution of aqueous liquids, gas and fuel.				
Name and registered address of the manufacturer	FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA Carregosa - Oliveira de Azeméis 3731 - 956 VALE DE CAMBRA PORTUGAL				
Attestation of conformity system	System 3				
Notified test laboratory	CATIM – NB 0464, performed the determination of the product-type under system 3 and issued test report.				
Declared performance:					
Requirement/characteristic from the mandate	Information on regulated characteristics	<u>Harmonised technical</u> <u>specification</u>			
- Reaction to fire	Class A1				
- Yield strength	195 MPa				
- Dimensional tolerances	Pass				
- Tightness: Gas and liquid	Pass EN 10255:2004+A1:2007				
- Dangerous substances	NPD				
– Durability	No coating and Galvanized 55 μm				

The Performance of the product identified in this document is in conformity with the Declared performance above described. This DECLARATION of PERFORMANCE is issued the exclusive responsability of the manufacturer identified.

Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016

**Nuno Ribeiro Pires** 

(Board Member)





## **DECLARATION OF PERFORMANCE** DoP - FERPINTA 11/16

Unique identification	TC CBBBBBBB.CC.AAAAA				
code of the product-type	NON-ALLOY STEEL TUBES SUITABLE FOR WELDING AND THREADING.				
Product-type reference	TUBES W R3/8 (17,2 mm) to R6 (165,1 mm), HEAVY and MEDIUM series, WITHOUT COATING and GALVANIZED				
Intended uses	Distribution of aqueous liquids, gas and fuel.				
Name and registered address of the manufacturer	FERPINTA - Indústrias de Tubos de Aço de Fernando Pinho Teixeira, SA Carregosa - Oliveira de Azeméis 3731 - 956 VALE DE CAMBRA PORTUGAL				
Attestation of conformity system	System 3				
Notified test laboratory	CATIM – NB 0464, performed the determination of the product-type under system 3 and issued test report.				
Declared performance:					
Requirement/characteristic from the mandate	Information on regulated characteristics	<u>Harmonised technical</u> <u>specification</u>			
- Reaction to fire	Class A1				
<ul> <li>Yield strength</li> </ul>	195 MPa				
- Dimensional tolerances	Pass				
<ul> <li>Tightness: Gas and liquid</li> </ul>	Pass EN 10255:2004+A1:2007				
<ul> <li>Dangerous substances</li> </ul>	NPD				
– Durability	Uncoated and Galvanized 55 μm				

The Performance of the product identified in this document is in conformity with the Declared performance above described. This DECLARATION of PERFORMANCE is issued the exclusive responsability of the manufacturer identified.

Declaration of Performance in accordance with the REGULATION (EU) No 305/2011

Carregosa, 7th January of 2016