

DECLARATION OF PERFORMANCE

N° DoP/EN 10219/18

1. Name and identification code :

Steel hollow section, according to EN 10219-1 & 2 : 2006

2. Type, lot or serial number of construction product :

Shape of cross-sections	Dimensions	Steel designation
Square - CFRHS	Dimension 30x30 to 250x250 mm Thickness 2 to 10 mm	S235JRH, S275J0H, S355J2H
Rectangular - CFRHS	Dimension 50x25 to 300x200 mm Thickness 2 to 10 mm	S235JRH, S275J0H, S355J2H

3. Designed use :

In metal structures or in metal and concrete mixed structures

4. Name and address of manufacturer :

LONGTAIN S.A. Grupo CONDESA
Rue Emile Vandervelde 1/3
7170 Bois d'Haine (MANAGE)
BELGIQUE

5. Name and address of contact person at authorised representative :

Non applicable

6. System for Evaluation and verification of performances constancy :

System 2+

7. Notified body (here EN 10219-1 & 2 : 2006) :

Lloyd's Register Verification, n°0038 has certified the manufacturing production control system on the basis of an initial control system and of ongoing surveillance, evaluation and approval of the manufacturing production control system, according to the 2+ evaluation system, issuing the certificate of conformity 0038/CPD/20070007/A with date of concession 30/01/2008.

8. Technical Evaluation Body :

Non applicable.

9. Declared performances :

Essential features	Performances			Harmonised technical specifications	
Dimensional and shape tolerances	According to EN 10219-1 & 2 : 2006, chapter 6			EN 10219-1 & 2 : 2006	
Elongation	Steel grades	Minimal elongation (A)			
	S235JRH	24%			
	S275J0H	20%			
	S355J2H	20%			
Yield and tensile resistance strength	Steel grades	Minimal Yield strength (ReH)	Tensile resistance strength (Rm)		
		Thickness ≤ 16 mm	Thickness < 3 mm		Thickness ≥ 3 mm
	S235JRH	235 MPa	360-510 MPa		360-510 MPa
	S275J0H	275 MPa	430-580 MPa		410-560 MPa
S355J2H	355 MPa	510-680 MPa	470-360 MPa		
Impact testing	Steel grades	Minimal breackage energy upon impact KV (standard samples 10 mm)			
		Test temperature			
		-20°C	0°C	20°C	
	S235JRH	-	-	27 J	
	S275J0H	-	27 J	-	
	S355J2H	27 J	-	-	
	Choc flexion tests are not necessary for nominal thicknesses of < 6 mm. For the flexion tests characteristic for reduced samples, see § 6.7.2 of EN 10219-1 : 2006)				
Weldability	Conform with chapter 6.6, 6.8.1 and tables A.2 et B.3 of EN 10219-1 : 2006				
Durability	Conform with article 6.8.2 of EN 10219-1 : 2006				

10. The performances of the product identified in points 1 and 2 are in conformity with the performances declared in point 9.

This declaration of performances is issued under the own responsibility of the manufacturer indicated in point 4.

Signed for and on behalf of the manufacturer:

Name and fonction

Date and place

Signature

A. DEWITTE
Responsible Qualité

Longtain
le 28/06/13

