

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

