

Declaration of Performance

(According to regulation EU no 305/2011)

DoP Nr. 005ENG

1-Product name

Non-alloy steel tubes suitable for welding and threading. EN 10255:2004+A1:2007,

2-Name and manufacturer



Çayırova Boru Sanayi ve Ticaret A.Ş.
Osmangazi Mah. Aşıroğlu cad. No:170: Darıca-
Kocaeli-Turkey

3-Application

In installation for the transportation/distribution/ storage of gas/fuel intended for the supply of building heating/cooling systems from the external storage reservoir or the last pressure reduction unit of the boiler/ heater /cooler system(s) of the building(s).

4-System for assesment and verification of constancy of performance

System 3

5-Notified body

Turkish Standards Institution

6-The performance of product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation EU no 305/2011 under the sole responsibility of the manufacturer identified above.

Signed on behalf of ÇAYIROVA BORU SAN. Ve TİC.A.Ş.

Veysel Seğmen
Quality Manager
13 February 2017

7-Indicated performance		
Essential characteristics	Performance	Harmonized technical specification EN 10255: 2004+A1:2007
Reaction to fire	Class A1	8.7
Mechanical Properties		8.2
Yield strength	min.195 ReH(Mpa)	
Tensile strength	320-520Rm(Mpa)	
Elongation (A%)	min. 20	
Tolerance on shape and dimensions	In accordance with EN 10255: 2004 +A1:2007	8.4
Weldability	Values(%max.)	8.2
C	0,2	
Mn	1,4	
P	0,035	
S	0,03	
Tightness	Tight	8.5
Durability	Durability is dependent on the method of protection and/or the type and thickness of the coating.	7.4



ÇAYIROVA BORU SAN. ve TİC.
A.Ş.

Osmangazi Mah. Aşıroğlu Cad.
No:170 Darıca/Kocaeli/Türkiye

15

EN 10255:2004+A1:2007

Non-alloy steel tubes suitable
for welding and
threading. Distribution of
aqueous liquids gas and fuel.

DOP No: 005

Reaction to Fire:

Minimum Yield strength:

Dimensions:

Leak Tightness(gas and liquid):

Dangerous substance:

Durability:

Declaration of Performance

DoP-Nr: 001ENG

1. Product name - types - qualities:

Cold formed welded structural hollow sections, EN 10219-1:2006,
Types : S235, S275, S355
Qualities: JRH, JOH, J2H

2. Name and manufacturer:



ÇAYIROVA BORU SAN. VE TİC. A.Ş.
Osmangazi Mah. Aşiroğlu Cad. No: 170
Darıca / Kocaeli / TURKEY

3. Application:

Steel hollow sections to be used in metal structures or in composite metal and concrete structures.

4. System for assessment and verification of constancy of performance:

System 2 +

5. Notified Body:

KIWA Netherlands BV (NoBo No: 0620) is based on:

- The initial inspection of the factory production control
- Continuous surveillance, assessment and evaluation of factory production control

the certificate of conformity of the factory production control provided with the unique number 0620-CPR-44856/03

- 6.** The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed on behalf of **ÇAYIROVA BORU SAN. VE TİC. A.Ş.** :

Burak KÜÇÜKKEÇECİ
Quality Manager

18 August 2015

7. Indicated performance

Essential characteristics	Performance	Determined by Standard title EN 10219-1:2006																																
<i>Tolerances on shape and dimensions</i>	EN 10219-2 Cold formed welded structural hollow sections purposes	6.11.1																																
<i>Elongation (%)</i>	<table border="1"> <thead> <tr> <th>Type & Quality</th> <th>nominal thickness (mm)</th> </tr> </thead> <tbody> <tr> <td></td> <td>≤40</td> </tr> <tr> <td>S235JRH</td> <td>24</td> </tr> <tr> <td>S275JOH/ S275J2H</td> <td>20</td> </tr> <tr> <td>S355JOH/ S355J2H</td> <td>20</td> </tr> </tbody> </table>	Type & Quality	nominal thickness (mm)		≤40	S235JRH	24	S275JOH/ S275J2H	20	S355JOH/ S355J2H	20	6.7.1 Table A.3 + B.4 + B.5																						
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<i>Tensile (MPa)</i>	<table border="1"> <thead> <tr> <th>Type & Quality</th> <th colspan="2">nominal thickness (mm)</th> </tr> <tr> <td></td> <th>≤3</th> <th>>3≤40</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>360 to 510</td> <td>360 to 510</td> </tr> <tr> <td>S275JOH/ S275J2H</td> <td>430 to 580</td> <td>410 to 560</td> </tr> <tr> <td>S355JOH/ S355J2H</td> <td>510 to 680</td> <td>470 to 630</td> </tr> </tbody> </table>	Type & Quality	nominal thickness (mm)			≤3	>3≤40	S235JRH	360 to 510	360 to 510	S275JOH/ S275J2H	430 to 580	410 to 560	S355JOH/ S355J2H	510 to 680	470 to 630	6.7.1 Table A.3 + B.4 + B.5																	
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<i>Strength to impact (J)</i>	<table border="1"> <thead> <tr> <th>Type & Quality</th> <th colspan="3">nominal thickness (mm)</th> </tr> <tr> <td></td> <th colspan="3">≤40</th> </tr> <tr> <td></td> <th>-20 °C</th> <th>0 °C</th> <th>20 °C</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>-</td> <td>-</td> <td>27</td> </tr> <tr> <td>S275JOH</td> <td>-</td> <td>27</td> <td>-</td> </tr> <tr> <td>S275J2H</td> <td>27</td> <td>-</td> <td>-</td> </tr> <tr> <td>S355JOH</td> <td>-</td> <td>27</td> <td>-</td> </tr> <tr> <td>S355J2H</td> <td>27</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Type & Quality	nominal thickness (mm)				≤40				-20 °C	0 °C	20 °C	S235JRH	-	-	27	S275JOH	-	27	-	S275J2H	27	-	-	S355JOH	-	27	-	S355J2H	27	-	-	6.7.2 Table A.3 + B.4 + B.5
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<i>Weldability (chemical composition)</i>	<table border="1"> <thead> <tr> <th>Type & Quality</th> <th>CEV% Max nominal thickness (mm) ≤40</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>0.35</td> </tr> <tr> <td>S275JOH/ S275J2H</td> <td>0.40</td> </tr> <tr> <td>S355JOH/ S355J2H</td> <td>0.45</td> </tr> </tbody> </table>	Type & Quality	CEV% Max nominal thickness (mm) ≤40	S235JRH	0.35	S275JOH/ S275J2H	0.40	S355JOH/ S355J2H	0.45	6.6 Table A.1 + B.1 + B.2 and 6.8.1																								
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<i>Durability</i>	Optional (customer demand): The product is suitable for galvanizing.	6.8.2																																