

## Declaration of Performance

DOP cert number: TKMN003

### 1. Product name and identification code :

Steel hollow section, cold formed, EN 10219

Type:

Shape of cross sections	Dimensions	Steel designation
Circular	Diameter 20 to 508 mm Thickness 1.5 to 12.5 mm	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H
Square	Dimension 15x15 to 300x300 mm Thickness 1.5 to 12.5 mm	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H
Rectangular	Dimension 20x10 to 400x200 mm Thickness 1.5 to 12.5 mm	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H

### 2. Name and Manufactures address :

**ThyssenKrupp Materials Nederland B.V.**

Taylorweg 7  
5466 AE Veghel  
(NL)

### 3. Intended use :

To be used in metal structures or in composite metal and concrete structures

### 4. System of assessment and verification of constancy of performance of the product :

System 2+

### 5. Notified body:

KIWA, notified body No. 0620

Assessment and evaluation of factory production control for the system 2+

Factory Production Control certificate 0620-CPR-85673/01, issued on 9<sup>th</sup> January 2015.

The performance of the product identified in point 1 are in line with the performance declared in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer indicated in point 2.



**ThyssenKrupp Materials Nederland**

**6. Declared performance:**

Essential characteristics	Performance	Harmonised technical specification																										
Dimensional and shape tolerances	According to EN 10219-2 : 2006, chapter 6	EN 10219-1: 2006																										
Elongation (%)	<table border="1"> <thead> <tr> <th>Grade</th> <th>Minimal Elongation (A)</th> </tr> </thead> <tbody> <tr> <td>S235JRH</td> <td>24% (a)</td> </tr> <tr> <td>S275J0H</td> <td rowspan="4">20% (b)</td> </tr> <tr> <td>S275J2H</td> </tr> <tr> <td>S355J0H</td> </tr> <tr> <td>S355J2H</td> </tr> </tbody> </table> <p>(a) for thickness &gt; 3mm and section sizes D/T &lt; 15 (circular) and (B+H)/2T &lt; 12.5 (square and rectangular), the minimum elongation is reduced by 2. For thickness ≤ 3mm, the minimum value for elongation is 17%.            (b) for section sizes D/T &lt; 15 (circular) and (B+H)/2T &lt; 12.5 (square and rectangular) the minimum elongation is reduced by 2.</p>		Grade	Minimal Elongation (A)	S235JRH	24% (a)	S275J0H	20% (b)	S275J2H	S355J0H	S355J2H																	
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Weldability	Conform chapter 6.6, 6.8.1 and table A.2 of 10219-1:2006																											
Durability	Conform chapter 6.8.2 of 10219-1:2006																											

Signed for and on behalf of the manufacturer:

A.W.G. Enzerink  
 Manager QHSE  
 Veghel, 14<sup>th</sup> January 2015