



DECLARATION OF PERFORMANCE

European Regulation 305/2011

Statement Nr: DoP-S275JR
Rev. 00

1. Unique product-type identification code:
Structural Hot Rolled - S275JR

2. Intended use or uses of the construction product in accordance with the applicable harmonized technical specification, as provided for by the manufacturer:
Intended Uses: Metal structures or mixed structures of metal and concrete

3. Manufacturer:
Lusosider - Aços Planos, S.A.
Avenida da Siderurgia Nacional

2840-075 Aldeia de Paio Pires
Portugal
Phone: +351 21 227 83 00 / Fax: +351 21 227 83 90
e-mail: lusosider@lusosider.pt

4. System(s) of evaluation and verification of performance regularity (EVPR):
System 2+

5. Harmonised standard: **EN 10025-1:2004**
Notified Body: **1515**

6. Declared performance(s)

| Essential Characteristics | Performance | Reference Standard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--------------------------|-------------------------------|---------|--|-------|--------------|---------|-------|--------|--------|--------|---------------|--------|--------|--------|---------------|--------|--------|--------|---------------|--------|--------|--------|---------------|--------|--------|--------|--------------------|-----------------|--|--|--|---------------|--|-------------|--|---------|---------|---------|---------|-------|----|-----|----|----|----------|----|-----|----|----|--------|----|-----|----|----|----------------|-----------------|--|-------------|-------------|-------|-----|------|---------------|-----|--------------------------|--------|-----|------|----------------|
| Dimensional Tolerances | <p>Thickness Tolerance:</p> <table border="1"> <thead> <tr> <th rowspan="2">Nominal Thickness (mm)</th> <th colspan="3">Nominal Width Tolerances (mm)</th> </tr> <tr> <th>≤1200</th> <th>>1200 ≤ 1500</th> <th>>1500 ≤</th> </tr> </thead> <tbody> <tr> <td>≤2.00</td> <td>± 0.17</td> <td>± 0.19</td> <td>± 0.21</td> </tr> <tr> <td>> 2.00 ≤ 2.50</td> <td>± 0.18</td> <td>± 0.21</td> <td>± 0.23</td> </tr> <tr> <td>> 2.50 ≤ 3.00</td> <td>± 0.20</td> <td>± 0.22</td> <td>± 0.24</td> </tr> <tr> <td>> 3.00 ≤ 4.00</td> <td>± 0.22</td> <td>± 0.24</td> <td>± 0.26</td> </tr> <tr> <td>> 4.00 ≤ 5.00</td> <td>± 0.24</td> <td>± 0.26</td> <td>± 0.28</td> </tr> </tbody> </table> <p>Width Tolerance:</p> <table border="1"> <thead> <tr> <th rowspan="3">Nominal Width (mm)</th> <th colspan="4">Tolerances (mm)</th> </tr> <tr> <th colspan="2">Rolling Edges</th> <th colspan="2">Sided Edges</th> </tr> <tr> <th>Minimum</th> <th>Maximum</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>≤1200</td> <td>-0</td> <td>+20</td> <td>-0</td> <td>+3</td> </tr> <tr> <td>> 1200 ≤</td> <td>-0</td> <td>+20</td> <td>-0</td> <td>+5</td> </tr> <tr> <td>> 1500</td> <td>-0</td> <td>+25</td> <td>-0</td> <td>+6</td> </tr> </tbody> </table> <p>Length Tolerances:</p> <table border="1"> <thead> <tr> <th rowspan="2">Nominal Length</th> <th colspan="2">Tolerances (mm)</th> </tr> <tr> <th>Lower Limit</th> <th>Upper Limit</th> </tr> </thead> <tbody> <tr> <td><2000</td> <td>- 0</td> <td>+ 10</td> </tr> <tr> <td>≥ 2000 < 8000</td> <td>- 0</td> <td>+ 0.005 x Nominal Length</td> </tr> <tr> <td>> 8000</td> <td>- 0</td> <td>+ 40</td> </tr> </tbody> </table> | Nominal Thickness (mm) | Nominal Width Tolerances (mm) | | | ≤1200 | >1200 ≤ 1500 | >1500 ≤ | ≤2.00 | ± 0.17 | ± 0.19 | ± 0.21 | > 2.00 ≤ 2.50 | ± 0.18 | ± 0.21 | ± 0.23 | > 2.50 ≤ 3.00 | ± 0.20 | ± 0.22 | ± 0.24 | > 3.00 ≤ 4.00 | ± 0.22 | ± 0.24 | ± 0.26 | > 4.00 ≤ 5.00 | ± 0.24 | ± 0.26 | ± 0.28 | Nominal Width (mm) | Tolerances (mm) | | | | Rolling Edges | | Sided Edges | | Minimum | Maximum | Minimum | Maximum | ≤1200 | -0 | +20 | -0 | +3 | > 1200 ≤ | -0 | +20 | -0 | +5 | > 1500 | -0 | +25 | -0 | +6 | Nominal Length | Tolerances (mm) | | Lower Limit | Upper Limit | <2000 | - 0 | + 10 | ≥ 2000 < 8000 | - 0 | + 0.005 x Nominal Length | > 8000 | - 0 | + 40 | EN 10051: 2010 |
| Nominal Thickness (mm) | Nominal Width Tolerances (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤1200 | >1200 ≤ 1500 | >1500 ≤ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤2.00 | ± 0.17 | ± 0.19 | ± 0.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 2.00 ≤ 2.50 | ± 0.18 | ± 0.21 | ± 0.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 2.50 ≤ 3.00 | ± 0.20 | ± 0.22 | ± 0.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 3.00 ≤ 4.00 | ± 0.22 | ± 0.24 | ± 0.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 4.00 ≤ 5.00 | ± 0.24 | ± 0.26 | ± 0.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal Width (mm) | Tolerances (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Rolling Edges | | Sided Edges | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Minimum | Maximum | Minimum | Maximum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤1200 | -0 | +20 | -0 | +3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 1200 ≤ | -0 | +20 | -0 | +5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 1500 | -0 | +25 | -0 | +6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal Length | Tolerances (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lower Limit | Upper Limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <2000 | - 0 | + 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 2000 < 8000 | - 0 | + 0.005 x Nominal Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| > 8000 | - 0 | + 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



DECLARATION OF PERFORMANCE

European Regulation 305/2011

| Essential Characteristics | Performance | Reference Standard |
|---|---|--------------------|
| Yield strength (Re) | 275 MPa minimum | EN 10025-2:2019 |
| Tensile strength (Rm) | Thickness < 3 mm: 430 to 580 MPa 3 mm ≥: 410 to 560 MPa | |
| Elongation (A80, e≥3 L ₀ =5.65√S ₀) | Thickness ≤ 1.5 mm: 16% minimum 1.5 < 2.0 mm ≤: 17% minimum 2.0 < thickness ≤ 2.5 mm: 18% minimum 2.5 < thickness < 3.0 mm: 19% minimum 3.0 ≤ 5.0 mm ≤: 23% minimum | |
| Chemical composition | Maximum % mass: C: 0.21; Mn: 1.50; P: 0.035; S: 0.035; N: 0.012; Cu: 0.55 | |

7. The performance of the product identified above complies to the declared performance set.

This declaration of performance shall be issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed by and on behalf of the manufacturer by:


Sandra Lopes

Aldeia de Paio Pires