


| DECLARATION OF PERFORMANCE | | |
|---|---|------------------------------------|
| NR C3018 | | Rev. 2 |
| Product Identification Code | Hot rolled steel product for Structural Use. Grade S355J0 according to EN10025-2:2004 | |
| Identification | According to the information stated on the ID label with barcode / bundle number and bundle number in the inspection certificate. | |
| Destiny and scope of application of product | Flat product for use in metal structures or in metal complexes and concrete structures. | |
| Manufacturer (registered office) | Marcegaglia Poland Sp.zo.o. Ul. Kaliska 72, 46-320 Praszka - Poland | |
| Production Plant | Ligota Dolna Ul. Przemysłowa 1, 46-320 Kluczbork - Poland | |
| System of assessment and verification of the continuity of performance of the construction product | 2+ | |
| Name and ID number of the notified Body | RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia 0474 | |
| Certificates of Conformity for the control of the plant production have been issued for the following elements: <ul style="list-style-type: none"> initial inspection of the production plant and of the factory production control. surveillance, evaluation and regular audits of the factory production control. | | |
| DECLARED PERFORMANCE | | |
| Main Features | Performance | Harmonised Technical Specification |
| Dimensional Tolerances | EN10051:2010 | EN10025-1:2004 |
| Elongation | EN10025-2:2004 | |
| Tensile strength | | |
| Yield strength | | |
| Impact strength | | |
| Weldability (CEV) | | |
| Durability | N.P.D. | |
| 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 for and on behalf of Marcegaglia Poland Sp.zo.o:  <i>Filippo Nicoli</i> <i>Plant Director</i> | | |
| | | <i>Ligota Dolna, 10.11.2015</i> |
| This declaration of performance is valid only in presence of the product identification label and delivery document or of the inspection certificate issued at the delivery. | | |

TABLE 1 - MECHANICAL CHARACTERISTICS

Mechanical properties for steel grades quality groups with impact strength values specified

| STEEL GRADE | ReH ^(a) MPa ^(b) Min | Rm ^(a) MPa ^(b) | | Min. Percentage elongation after break % ^(a) | | | | | | | | Impact strength KV | | | |
|-------------|---|--------------------------------------|-----------|---|-----|-----------|----------------|-----|-----------|-----------|-----------|---|---------------|----------------------|--|
| | | | | L _o = 80 (mm) | | | | | | | | L _o = 5,65√S _o | Temp. (°C) | Min energy (J) | |
| | | | | Nominal Thickness (mm) | | | | | | | | | | | |
| | | | | ≤ 16 | < 3 | ≥ 3 ≤ 100 | ^(a) | ≤ 1 | > 1 ≤ 1,5 | > 1,5 ≤ 2 | > 2 ≤ 2,5 | > 2,5 < 3 | ≥ 3 ≤ 40 | > 6 ≤ 150 | |
| S355J0 | 355 | 510 ÷ 680 | 470 ÷ 630 | l | 14 | 15 | 16 | 17 | 18 | 22 | 0 | 27 | | | |
| | | | | t | 12 | 13 | 14 | 15 | 16 | 20 | | | | | |

a) For sheets and strips ≥ 600 mm wide, these values relate to samples taken in a direction transverse (t) to the rolling direction. For all other products, the values for samples taken in parallel (l) to rolling direction are applied

b) MPa = 1N/mm²

TABLE 2 - DIMENSIONAL TOLERANCES
Tolerance on Thickness – dimension

| NOMINAL THICKNESS | Tolerances for nominal width | | | |
|-------------------|------------------------------|---------------|---------------|--------|
| | ≤ 1200 | > 1200 ≤ 1500 | > 1500 ≤ 1800 | > 1800 |
| ≤ 2,00 | ± 0,20 | ± 0,22 | ± 0,24 | - |
| > 2,00 ≤ 2,50 | ± 0,21 | ± 0,24 | ± 0,26 | ± 0,29 |
| > 2,50 ≤ 3,00 | ± 0,23 | ± 0,25 | ± 0,28 | ± 0,30 |
| > 3,00 ≤ 4,00 | ± 0,25 | ± 0,28 | ± 0,30 | ± 0,31 |
| > 4,00 ≤ 5,00 | ± 0,28 | ± 0,30 | ± 0,32 | ± 0,33 |
| > 5,00 ≤ 6,00 | ± 0,30 | ± 0,32 | ± 0,33 | ± 0,36 |
| > 6,00 ≤ 8,00 | ± 0,33 | ± 0,35 | ± 0,36 | ± 0,40 |
| > 8,00 ≤ 10,00 | ± 0,37 | ± 0,38 | ± 0,39 | ± 0,46 |
| > 10,00 ≤ 12,50 | ± 0,40 | ± 0,41 | ± 0,43 | ± 0,49 |
| > 12,50 ≤ 15,00 | ± 0,43 | ± 0,44 | ± 0,46 | ± 0,53 |
| > 15,00 ≤ 25,00 | ± 0,46 | ± 0,48 | ± 0,52 | ± 0,58 |

Tolerance on width - dimension (mm)

| NOMINAL WIDTH | Raw edges | Trimmed edges |
|---------------|-----------|---------------|
| ≤ 1200 | -0 / +20 | -0 / +3 |
| > 1200 ≤ 1850 | -0 / +20 | -0 / +5 |
| > 1850 | -0 / +25 | -0 / +6 |

Tolerances on products with trimmed edges apply up to nominal thickness 10mm
 For thickness over 10mm the values of + deviation must be agreed upon order placement

Tolerance on Length - dimension (mm)

| NOMINAL LENGHT | Lower | Upper |
|----------------|-------|-------------------------|
| < 2000 | -0 | +10 |
| ≥ 2000 < 8000 | -0 | +0,005 x nominal length |
| ≥ 8000 | -0 | +40 |

Tolerance on Flatness - dimension (mm)

| NOMINAL THICKNESS | Nominal width | Flatness tolerances | |
|-------------------|---------------|---------------------|--|
| | | ≤ 1200 | 18 |
| | | > 1200 ≤ 1500 | 23 |
| ≤ 25 | > 1500 | 28 | Closer tolerances shall be agreed at the order |

Tolerance on longitudinal edge camber or straightness

SHEETS with nominal length < 5000 mm, q = 0,5% of length
 SHEETS with nominal length ≥ 5000 mm, width ≥ 600 mm and with mill edges, q = 20 mm max for any length of 5000mm
 SHEETS with nominal length ≥ 5000 mm, width ≥ 600 mm and trimmed edges, q = 15 mm max for any length of 5000mm
 STRIPS with width ≥ 600, the edge camber shall not exceed 20mm for any length of 5000mm in case of mill edges and 15mm in case of trimmed edges. For strips with width < 600, the tolerances shall be agreed at the time of inquiry or order.

Out-of-squareness

The out-of-squareness for sheets is the orthogonal projection of a transverse edge over a longitudinal one and must not exceed 1% of actual width of the sheet.