

CE DECLARATION of PERFORMANCE

We;

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We declare that our production control system and our products identified below is in conformity with The Construction Products Regulation (EU) No 305/2011 (CPR) and declared performance described in annex ZA of the Standard EN 10025.

Our Factory Production Control System is approved by Turkish Standard Institution TSE (NB:1783) and documented with the certificate of factory production control 1783-CPD-173

Products:

**S235JR; S235J0; S235JRC; S235J0C; S235J2C; S235J0C; S275JR; S275J0;
S275J2; S275JRC; S275J0C; S275J2C; S355J0; S355J, ; S355JRC; S355J0C;
S355J2C; S355JR; S355K2**

| Essential Characteristics | Performance | | | | | | | | Harmonised technical Specification |
|--|-----------------------|------------------------|-------------|------------------------|-------------|------------|-------|---------|------------------------------------|
| Tolerance on dimension | Nominal Thickness (t) | | | | | | | EN10051 | EN 10025-1:2004 |
| Yield Strength ReH (Mpa) | Type and Grade | Nominal thickness (mm) | | | | | | | |
| | | t ≤ 16 | 16 < t ≤ 25 | | | | | | |
| | S235JR/JO/J2 | 235 min | | 225 min | | | | | |
| | S275JR/JO/J2 | 275 min | | 265 min | | | | | |
| Tensile Strength Rm (Mpa) | Type and Grade | Nominal thickness (mm) | | | | | | | |
| | | t < 3 | 3 ≤ t ≤ 25 | | | | | | |
| | S235JR/JO/J2 | 360 to 510 | | 360 to 510 | | | | | |
| | S275JR/JO/J2 | 430 to 580 | | 410 to 560 | | | | | |
| Elongation (Transverse) % GI:80 mm for t < 3.0 mm 5.65Sqrt A for t ≥ 3.0 mm | Type and Grade | Nominal thickness (mm) | | | | | | | |
| | | 1.3 < t ≤ 1.5 | 1.5 < t ≤ 2 | 2 < t ≤ 2.5 | 2.5 < t < 3 | 3 ≤ t ≤ 25 | | | |
| | S235JR/JO/J2 | 16 | 17 | 18 | 19 | 24 | | | |
| | S275JR/JO/J2 | 14 | 15 | 16 | 17 | 21 | | | |
| Impact Test (J) [Impact test is not required for thickness thinner than 6 mm] | Type and Grade | Temperature (°c) | | Nominal thickness (mm) | | | | | |
| | | t ≤ 25 | | | | | | | |
| | S235JR/S275JR/S355JR | 20 | | 27 | | | | | |
| | S235J0/S275J0/S355J0 | 0 | | 27 | | | | | |
| Weldability (CEV) (Max CEV) is increased by 0.01 % for Si ≤ 0.25 %, and 0.02 % for Si ≤ 0.030 %) | Type and Grade | CEV /% max.) | | | | | | | |
| | | t ≤ 25 | | | | | | | |
| | S235JR/JO/J2 | 0,35 | | | | | | | |
| | S275JR/JO/J2 | 0,40 | | | | | | | |
| Durability (Chemical Composition for t ≤ 25 mm) | Type and Grade | C % | Si % | Mn % | P % | S % | N % | Cu % | |
| | | max | max | max | max | max | max | max | |
| | S235JR | 0,17 | - | 1,40 | 0,035 | 0,035 | 0,012 | 0,55 | |
| | S235JO | 0,17 | - | 1,40 | 0,030 | 0,030 | 0,012 | 0,55 | |
| | S235J2 | 0,17 | - | 1,40 | 0,025 | 0,025 | - | 0,55 | |
| | S275JR | 0,21 | - | 1,50 | 0,035 | 0,035 | 0,012 | 0,55 | |
| | S275JO | 0,18 | - | 1,50 | 0,030 | 0,030 | 0,012 | 0,55 | |
| | S275J2 | 0,18 | - | 1,50 | 0,025 | 0,025 | - | 0,55 | |
| | S355JR | 0,24 | 0,55 | 1,60 | 0,035 | 0,035 | 0,012 | 0,55 | |
| S355J0 | 0,20 | 0,55 | 1,60 | 0,030 | 0,030 | 0,012 | 0,55 | | |
| S355J2/K2 | 0,20 | 0,55 | 1,60 | 0,025 | 0,025 | - | 0,55 | | |

Trademark : İSDEMİR



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