
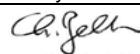


Declaration of performance



0780
14

0780 - CPD - 52003

| | | | | | | | | |
|---|---|--|----------------------------|--|----------------------------|---|----------------------|---|
| 1 | Identification product code | Steel grade / material no. | | | | | | |
| 2 | Identification of the product | Certificate, delivery note and label | | | | | | |
| 3 | Intended use | Hot-rolled structural steel products for metal building structures or in composite concrete composite structures according to EN 10025-1:2004 | | | | | | |
| 4 | Manufacturer | Stahl Gerlafingen AG Postfach CH-4563 Gerlafingen CHE-105.859.757 MWST www.stahl-gerlafingen.com - info@stahl-gerlafingen.com | | | | | | |
| 5 | System to evaluate the performance according to regulation (EU) no 305/2011 | System 2+ | | | | | | |
| 6 | Notified body | TÜV Rheinland Bautechnik GmbH (0780) Tillystrasse 2 D-90431 Nürnberg | | | | | | |
| 7 | Tasks of the notified body | The notified body has performed the initial inspection of factory and factory production control and the continuous surveillance, assessment and approval of factory production control and has issued the certificate 0780-CPD-52003. | | | | | | |
| 8 | Declared performance | Thickness [mm] | S235 JR/J0/J2 | S275 JR/J0/J2 | S235/S275 JR/J0/J2 | S355 JR/J0/J2 | EN 100025-2: 2004 | Tolerances on dimensions and shape: Flat bars in accordance with EN 10058, wide flat bars in accordance with DIN 59200 and angles in accordance with EN 10056-1 and tolerances in accordance with EN 10056-2* European wide flange beams HEB/IPB and HEA/IPBI in accordance with DIN 1025-2 and -3 and tolerances in accordance with EN 10034 European beams IPE in accordance with DIN 1025-5 and tolerances in accordance with EN 10034 European taper flange channels UPN in accordance with DIN 1026-1 and tolerances in accordance with EN 10279 |
| | Yield strength R_{eH} [MPa] | ≤ 16 $>16 / \leq 40$ | ≥ 235 ≥ 225 | ≥ 275 ≥ 265 | ≥ 275 ≥ 265 | ≥ 355 ≥ 345 | | |
| | Tensile strength R_m [MPa] | $\geq 3 / \leq 100$ | $\geq 360 / \leq 510$ | $\geq 410 / \leq 560$ | $\geq 410 / \leq 510$ | $\geq 470 / \leq 630$ | | |
| | Elongation $A_{5,65}$ [%] | $\geq 3 / \leq 40$ | ≥ 26 | ≥ 23 | ≥ 26 | ≥ 22 | | |
| | Impact strength [J] | ≤ 150 | ≥ 27 | ≥ 27 | ≥ 27 | ≥ 27 | | |
| | Weldability CEV [%] | ≤ 30 $>30 / \leq 40$ | ≤ 0.35 ≤ 0.35 | ≤ 0.40 ≤ 0.40 | ≤ 0.35 ≤ 0.35 | ≤ 0.45 ≤ 0.47 | | |
| | Suitable for zinc coating | Classes 2 and 3 | | | | | | |
| | Durability | No performance determined | | | | | | |
| Non-radioactivity is controlled. | | | | | | | | |
| Regulated material: No performance determined. | | | | | | | | |
| Electric arc furnace (>95% recycling content). | | | | | | | | |
| The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. | | | | | | | | |
| Signed for and on behalf of Stahl Gerlafingen AG by: | | Gerlafingen, 01.01.2014 | |  Adriano Zambon General Manager Beltrame Groupe | |  Dr. Christoph Zeltner Head of Quality and Environment | | |