outokumpu stainless steel & high performance alloys

Declaration of Performance

DoP No.: AW 1.4404

according to Annex III Construction Products Regulation (305/2011/EU)

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|--|---------------------------------------|--|---|
| for the construction product | | Hot or cold rolled stainless steel sheet/plate and coi | |
| 1. Unique identification | code for product type: | 1.4404 – EN 10088-4:2009 | |
| 2. Batch No./Serial No. acc. to article 11 par. 4: | | See marking / label / inspection document | |
| 3. Intended use for construction product: | | Building construction or civil engineering | |
| 4. Contact address of manufacturer: acc. to article 11 par. 5 | | Outokumpu Stainless AB Avesta Works SE-774 22 Avesta, Sweden | |
| 5. Contact address of authorised representative acc. article 12 par. 2: | | Not appointed | |
| Assessment system and verification for constancy of performance acc. to annex V: | | EN 10088-4, ar | nnex ZA, System 2+ |
| 7. The notified body : | | TÜV NORD Sys identification r | tems GmbH & Co. KG, Hamburg, no.: 0045 |
| has conducted the first inspection and continuous surveillance according to the system above and issued the certificate: as a confirmation of conformity for the factory production control. | | 0045-CPR-0869 | |
| 8. Construction product with European Technical Assessment: | | No | |
| 9. Declared performance | : | | |
| Essential characteristics | Performance | | Harmonised technical specification |
| imiting dimension and | Tolorancos acc. to EN 9444.2 / 9445.2 | | EN 10088-4-2009 section 6.9 |

| | Ferformatice | | narmonised technical specification | |
|--|---------------------------------------|-------------------|--------------------------------------|--|
| Limiting dimension and shape tolerance | Tolerances acc. to EN 9444-2 / 9445-2 | | EN 10088-4:2009, section 6.9 | |
| | Cold rolled | Hot rolled | EN 10088-4:2009, section 6.5.1 | |
| proof strength Rp0.2 | 240 MPa | 240 MPa | ···· | |
| tensile strength Rm | 530-680 MPa | 530-680 MPa | | |
| elongation A | 40 % | 40 % | | |
| ISO-V impact energy KV | | 60 J (transverse) | | |
| Weldability | (proven by chemical composition) | | EN 10088-4:2009, section 6.3 | |
| Durability | (proven by chemical composition) | | EN 10088-4:2009, section 6.3 and 6.4 | |
| Fracture toughness/ | (proven by ISO-V impact energy) | | EN 10088-4:2009, section 6.5.1 | |
| brittle fracture | | | | |
| Cold formability | (proven by elongation) | | EN 10088-4:2009, Section 6.8 | |
| Regulated substance | No performance | determined | | |
| | | | | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by Pål Åström, Senior Vice President:

Avesta 2014-10-10

| accordi | ng to Annex III Constr | uction | Products Regul | ation (305/2011/EU) |
|--|---|---|--|--------------------------------------|
| for the construction product | | | Hot or cold rolled stainless steel sheet/plate and coil | |
| 1. Unique identification code for product type: | | | 1.4401 – EN 10088-4:2009 | |
| 2. Batch No./Serial No. acc. to article 11 par. 4: | | | See marking / label / inspection document | |
| 3. Intended use for construction product: | | | Building construction or civil engineering | |
| Contact address of manufacturer: acc. to article 11 par. 5 | | | Outokumpu Stainless AB Avesta Works SE-774 22 Avesta, Sweden | |
| 5. Contact address of authorised representative acc. article 12 par. 2: | | | Not appointed | |
| 6. Assessment system and verification for constancy of performance acc. to annex V: | | EN 10088-4, annex ZA, System 2+ | | |
| 7. The notified body : | | | TÜV NORD Systems GmbH & Co. KG, Hamburg, identification no.: 0045 | |
| has conducted the first inspection and continuous surveillance according to the system above and issued the certificate: as a confirmation of conformity for the factory production control. | | | 0045-CPR-0869 | |
| 8. Construction product with European Technical Assessment: | | | No | |
| 9. Declared performance | e: | | | |
| Essential characteristics | Perfo | Performance | | Harmonised technical specification |
| Limiting dimension and shape tolerance | Tolerances acc. to I | Tolerances acc. to EN 9444-2 / 9445-2 | | EN 10088-4:2009, section 6.9 |
| proof strength Rp0.2 tensile strength Rm elongation A ISO-V impact energy KV | Cold rolled 240 MPa 530-680 MPa 40 % | Hot rolled 240 MPa 530-680 MPa 40 % 60 J (transverse) | | EN 10088-4:2009, section 6.5.1 |
| Weldability | (proven by chemica | | | EN 10088-4:2009, section 6.3 |
| Durability | (proven by chemical composition) | | | EN 10088-4:2009, section 6.3 and 6.4 |
| Fracture toughness/ brittle fracture | (proven by ISO-V impact energy) | | | EN 10088-4:2009, section 6.5.1 |
| Cold formability | (proven by elongation) | | | EN 10088-4:2009, Section 6.8 |
| | No performance determined | | | |

Signed for and on behalf of the manufacturer by Pål Åström, Senior Vice President:

Avesta 2014-10-10