

Declaration of performance (DoP) : Gue.01.01

<p>Stainless steel for construction purposes EU-regulation: 305/2011</p>
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Gueugnon site / 1.4301 / Hot-Rolled / Cold-rolled

1.
Product-type: 1.4301
2.
Construction product: Hot-rolled / Cold-rolled stainless steel coils, plates, sheets according to EN 10088-4: 2009
3.
Intended use: products for internal and external use for construction purposes, building constructions or civil engineering
4.
Manufacturer:

Aperam Gueugnon
BP1
4 Place des Forges
71130 GUEUGNON
FRANCE

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E-mail: gerard.ramoissenet@aperam.com
Website: <http://www.aperam.com/europe/news-publications/documentation/certifications/approvals>
5.
Authorised representative: Not applicable
6.
System of assessment and verification of constancy of performance: System 2+
7.
Case of the declaration of performance concerning a construction product by a harmonized standard:
TÜV SÜD Industrie Service GmbH, Nr. 0036, has performed the initial inspection of the factory and factory production control and monitoring, review and approval of the factory production control according to system 2+ and issued a conformity certificate of production control:
Aperam Gueugnon: "0036 - CPR - M - 042 - 2011"
8.
Case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
Not applicable

9.

Declared performance :

Essential characteristics	Performance for 1.4301			Harmonised technical specification
	Finish	Nominal thickness(mm)		
Tolerances on dimensions and shape	hot rolled cold rolled		EN 10051/EN ISO 9444-2 EN ISO 9445-2	
Yield strength (Rp 0,2%)	hot rolled cold rolled	1,5 ≤ th ≤ 6,0	210 MPa	EN 10088-4
		0,3 ≤ th ≤ 4,0	230 MPa	EN 10088-4
Yield strength (Rp1%)	hot rolled cold rolled	1,5 ≤ th ≤ 6,0	250 MPa	EN 10088-4
		0,3 ≤ th ≤ 4,0	260 MPa	EN 10088-4
Tensile strength	hot rolled cold rolled	1,5 ≤ th ≤ 6,0	520 MPa	720MPa EN 10088-4
		0,3 ≤ th ≤ 4,0	540 MPa	750MPa EN 10088-4
Elongation	hot rolled cold rolled	1,5 ≤ th ≤ 6,0	45%	EN 10088-4
		0,3 ≤ th ≤ 4,0	45%	EN 10088-4
Impact Strenght	hot rolled and cold rolled		NPD	EN 10088-4

Essential characteristics	Performance for 1.4301		Harmonised technical specification
Weldability	hot rolled and cold rolled	chemical composition	EN 10088-4
Durability	hot rolled and cold rolled	chemical composition	EN 10088-4
Formability at room temperature	hot rolled and cold rolled	see elongation	EN 10088-4
	Values (% mass) for 1.4301		
Chemical composition	hot rolled and cold rolled	C: ≤ 0,07 Si: ≤ 1,00 Mn: ≤ 2,00 P: ≤ 0,045 S: ≤ 0,015 N: ≤ 0,10 Cr: 17,5 - 19,5 Ni: 8,0 - 10,5	EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4
Regulated substance	hot rolled and cold rolled	NPD	EN 10088-4

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
 Philippe Quere - Head SMI
 Gueugnon, 2014/02/07

P.QUERE

