

## Declaration of performance ( DoP ) : Gue.09.01

<p><b>Stainless steel for construction purposes</b> <b>EU-regulation: 305/2011</b></p>
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### Gueugnon site / 1.4401 / Hot-Rolled / Cold-rolled

1.  
Product-type: 1.4401 / 1.4404
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  
  
Tel: +33 (0)3 85 85 76 00  
E-mail: [gerard.ramoissenet@aperam.com](mailto: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 1.4401			Harmonised technical specification
	Finish	Nominal thickness(mm)		
Tolerances on dimensions and shape	hot rolled		EN 10051/EN ISO 9444-2	
	cold rolled		EN ISO 9445-2	
			<b>Values for 1.4401</b>	
			<b>min ( trans)                      min (long)                      max (trans)</b>	
Yield strength (Rp 0,2%)	hot rolled	2,5 ≤ th ≤6,4	220 MPa	EN 10088-4
	cold rolled	0,3≤ th ≤3,0	240 MPa	EN 10088-4
Yield strength (Rp1%)	hot rolled	2,5 ≤ th ≤6,4	260 MPa	EN 10088-4
	cold rolled	0,3≤ th ≤4,0	270 MPa	EN 10088-4
Tensile strength	hot rolled	2,5 ≤ th ≤6,4	530MPa	680MPa EN 10088-4
	cold rolled	0,3≤ th ≤3,0	530 MPa	680MPa EN 10088-4
Elongation	hot rolled	2,5 ≤ th ≤6,4	40%	EN 10088-4
	cold rolled	0,3≤ th ≤3,0	40%	EN 10088-4
Impact Strenght	hot rolled and cold rolled		NPD	EN 10088-4

<b>Essential characteristics</b>	<b>Performance for 1.4401</b>		<b>Harmonised technical specification</b>
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
Chemical composition	<b>Values (% mass) for 1.4401</b>		
	hot rolled and cold rolled	C: ≤ 0,030	EN 10088-4
		Si: ≤1,00	EN 10088-4
		Mn: ≤ 2,00	EN 10088-4
		P: ≤ 0,045	EN 10088-4
		S: ≤0,015	EN 10088-4
		N: ≤ 0,10	EN 10088-4
	Cr: 16,5 - 18,5	EN 10088-4	
	Ni: 10,0 - 13,0		
	Mo: 2,00 – 2,50		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  
Romain Gerard - Head of Quality Cell & Metallurgical Follow-up  
Gueugnon, 2016/02/24

