

Declaration of performance (DoP) : Gue.07.01

<p>Stainless steel for construction purposes EU-regulation: 305/2011</p>
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Gueugnon site / 1.4509 / Cold-rolled

1.
Product-type: 1.4509
2.
Construction product: 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
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 of 1.4509			Harmonised technical specification		
	Finish	Nominal thickness(mm)				
Tolerances on dimensions and shape	cold rolled		EN ISO 9445-2			
Yield strength (Rp 0,2%)	cold rolled	0,4 ≤ th ≤ 4,5	Values for 1.4509		EN 10088-4	
			min(trans)	min(long)		max (trans)
Tensile strength	cold rolled	0,4 ≤ th ≤ 4,5	250 MPa	230 MPa	630MPa	EN 10088-4
Elongation	cold rolled	0,4 ≤ th ≤ 4,5	18%	18%		EN 10088-4
Impact Strenght	cold rolled		NPD			EN 10088-4

Essential characteristics	Performance of 1.4509		Harmonised technical specification
Weldability	cold rolled	chemical composition	EN 10088-4
Durability	cold rolled	chemical composition	EN 10088-4
Formability at room temperature	cold rolled	see elongation	EN 10088-4
	Values (% mass) for 1.4529		
Chemical composition	cold rolled	C: ≤ 0,030 Si: ≤ 1,00 Mn: ≤ 1,00 P: ≤ 0,040 S: ≤ 0,015 Cr: 17,5 - 18,5 Ti: 0,10 - 0,60 Nb: [3xC+0,30] - 1,00	EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4 EN 10088-4
Regulated substance	cold roll	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

