

Declaration of Performance (DoP): ISB.05.01

Stainless steel for construction purposes
EU-regulation: 305/2011

Isbergues site / 1.4509 / Cold-rolled

1.
Product-type: 1.4509
2.
Construction product: Cold-rolled stainless steel coils, 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 ISBERGUES
RUE ROGER SALENGRO
62330 ISBERGUES
FRANCE

Tel: +33 (0)3 21 63 21 98
E-mail: nicolas.domeck@aperam.com
Website: https://www.aperam.com/documentation#2_certificates_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 Isbergues: "0036 - CPR - M - 041 - 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 1.4509				Harmonised technical specification	
Tolerances on dimensions and shape	Finish					
	cold rolled		EN ISO 9445-2			
Yield strength (Rp 0,2%)	cold rolled	Nominal thickness (mm) $0,3 \leq th \leq 4,1$	Values for 1.4509			EN 10088-4: 2009
			min (long)	min (trans)	max	
			230 MPa	250 MPa		
Tensile strength	cold rolled	$0,3 \leq th \leq 4,1$	430 MPa	430 MPa	630 MPa	EN 10088-4: 2009
Elongation	cold rolled	$0,3 \leq th \leq 4,1$	18%	18%		EN 10088-4: 2009
Impact strength	cold rolled		NPD	NPD		EN 10088-4: 2009

Essential characteristics	Performance for 1.4509		Harmonised technical specification
Weldability	cold rolled	chemical composition	EN 10088-4: 2009
Durability	cold rolled	chemical composition	EN 10088-4: 2009
Formability at room temperature	cold rolled	see elongation	EN 10088-4: 2009
Chemical composition	cold rolled	Values (% mass) for 1.4509 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 [3C+ 0,30] ≤ Nb ≤ 1,00	EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009 EN 10088-4: 2009
Regulated substance	cold rolled	NPD	EN 10088-4: 2009

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
 Laurent Dubois – Quality Control Manager
 Isbergues, 16/09/2019

