



## Declaration of Performance ( DoP ) : Nr.Gnk.19.01

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

### **Genk 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

3.

Intended use: products for internal and external use for construction purposes, building constructions or civil engineering

4.

Manufacturer:

APERAM GENK  
SWINNENWIJERWEG 5  
3600 GENK  
BELGIUM

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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 Genk : "0036 – CPR – M – 43 – 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			
			<b>Values</b>			
			<b>min(trans)</b>	<b>min(long)</b>	<b>max</b>	
Yield strength(Rp 0,2%)						
	cold rolled	≤8	250 Mpa	230 Mpa		EN 10088-4
Tensile strength						
	cold rolled	≤8	430 MPa		630MPa	
Elongation						
	cold rolled	<3	18%			
	cold rolled	3 ≤ th ≤ 13,5	18%			
Impact strength	hot rolled	>10	NPD	NPD		
	cold rolled		NPD	NPD		
Impact strength	hot rolled	>10	NPD	NPD		
	cold rolled		NPD	NPD		

Essential characteristics	Performance of 1.4509			Harmonised technical specification
	hot rolled cold rolled			
Weldability	hot rolled cold rolled		chemical composition	
Durability	hot rolled cold rolled		chemical composition	
Formability at room temperature	hot rolled cold rolled		see elongation	
			<b>Values</b>	
Chemical composition	hot rolled and cold rolled		C < 0,030	EN 10088-4
			Si < 1.00	
			Mn < 1.00	
			P < 0,040	
			S < 0,015	
			Cr: 17,5 - 18,5	
			Ti: 0,1 - 0,60	
		Nb: 3C+0,3 - 1.0		
Regulated substance	hot rolled and cold rolled		NPD	

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  
Joost Vantrappen - Head Customer Service  
Genk, 07/02/2014

