



Declaration of Performance (DoP) : Nr.Gnk.02.02

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

Genk site / 1.4301 / Cold-rolled-work-hardened (Temper)

1.
Product-type : 1.4301
2.
Construction product : Cold-rolled-work hardened (temper) 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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Website: <http://www.aperam.com/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 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 for 1.4301				Harmonised technical specification
	Finish				
Tolerances on dimensions and shape	temper 2H		EN ISO 9445-2		
			Values		
			min(Mpa)	max(Mpa)	
Yield strength	temper 2H	CP350	350	500	EN 10088-4
	temper 2H	CP500	500	700	
	temper 2H	CP700	700	900	
Tensile strength	temper 2H	C700	700	850	
	temper 2H	C850	850	1000	
	temper 2H	C1000	1000	1150	
Weldability	temper 2H		chemical composition		
Durability	temper 2H		chemical composition		
			Values		
Chemical composition	temper 2H		C ≤ 0,070		EN 10088-4
			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		

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

