



Declaration of Performance (DoP) : Nr.Gnk.10.03

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

Genk site / 1.4401 / Tears

1.

Product-type : 1.4401

2.

Construction product : Hot-rolled (tears) 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 for 1.4401					Harmonised technical specification
	Finish	Nominal thickness(mm)				
Tolerances on dimensions and shape	tears 1M		EN ISO 9444-2 + DIN 59220			
			Values			
			min (trans)	min (long)	max	
Yield strength(Rp 0,2%)	tears 1M	≤13,5	220 Mpa			EN 10088-4
Yield strength(Rp1%)	tears 1M	≤13,5	260 Mpa			
Tensile strength	tears 1M	≤13,5	530 Mpa		680MPa	
Elongation	tears 1M	<3	40%			
	tears 1M	3 ≤ th ≤ 13,5	40%			
Impact strength	tears 1M		NPD	NPD		
Weldability	tears 1M		chemical composition			
Durability	tears 1M		chemical composition			
Formability at room temperature(elongation)	tears 1M					
			Values			
Chemical composition	tears 1M		C ≤ 0,070			EN 10088-4
			Si ≤1.00			
			Mn ≤ 2.00			
			P < 0,045			
			S ≤0,015			
			N ≤ 0,10			
			Cr: 16,5 - 18,5			
			Ni: 10.0 - 13.0			
			mo: 2.0 - 2,5			

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

