

Declaration of Performance

N° 006 RAE 2022 09 29

Extrusions Benelux
Declaration of Performance
0036-CPR-M-078-2014

Hydro Extrusion Raeren S.A.

1. Unique identification code of the product–type:

EN AW-6082 T6
2. Type number allowing identification of the construction product

Extruded rod / bar, tube and profiles according EN 15088
3. Intended uses:

Internal and external structural construction works
4. Name, registered trade name or registered trade mark and contact address
Hydro Extrusion Raeren SA
Waldstrasse, 91
B-4730 RAEREN
Tel : 0032 87 859 211
Fax : 0032 87 859 330
Internet: www.hydro.com/raeren
5. Name and contact address of the authorized representative

Not applicable
6. System or systems of assessment and verification of constancy of performance of the construction product

System 2+
7. Case of the declaration of performance concerning a construction product by a harmonized standard
TÜV Süd Industrie Service GmbH, No. 0036, has performed the initial inspection of factory and factory production control and monitoring, review and approval of the factory production control according to system 2+ and issued conformity certificates of production control for the plant
Hydro Extrusion Raeren 0036-CPR-M-078-2014
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 Characteristic	Performance								Harmonised technical specification			
Tolerance on dimensions and shape	Tolerances on dimensions								EN 15088:2005			
	Cross –sectional dimensions											
	Length											
	Squareness of cut ends											
	Tolerances on form											
	Straightness											
	Convexity-Concavity											
	Contour											
	Twist											
	Angularity											
Corner and fillet radii												
Tensile strength	Extruded rod / bar Dimensions (mm)								EN 15088:2005			
	EN 755-2:2013											
	T6											
	Rm (MPa)											
	D ^a		S ^b									
	≤ 20		≤ 20		295							
	20 < D ≤ 150		20 < S ≤ 150		310							
	150 < D ≤ 200		150 < S ≤ 200		280							
	200 < D ≤ 250		200 < S ≤ 250		270							
	Extruded tube Wall Thickness t (mm)											
	≤ 5											
	5 < t ≤ 25											
	Extruded Open profile Wall thickness t (mm)											
	≤ 5											
5 < t ≤ 25												
Extruded Hollow profile Wall thickness t (mm)												
≤ 5												
5 < t ≤ 25												
Yield strength	Extruded rod / bar Dimensions (mm)								EN 15088:2005			
	R _{p0.2} (Mpa)											
	D ^a		S ^b									
	≤ 20		≤ 20		250							
	20 < D ≤ 150		20 < S ≤ 150		260							
	150 < D ≤ 200		150 < S ≤ 200		240							
	200 < D ≤ 250		200 < S ≤ 250		200							
	Extruded tube Wall Thickness t (mm)											
	≤ 5											
	5 < t ≤ 25											
	Extruded Open profile Wall thickness t (mm)											
	≤ 5											
	5 < t ≤ 25											
	Extruded Hollow profile Wall thickness t (mm)											
≤ 5												
5 < t ≤ 25												
Elongation	Extruded rod / bar Dimensions (mm)								EN 15088:2005			
	D ^a		S ^b		A (%)		A ₅₀ (%)					
	≤ 20		≤ 20		8		6					
	20 < D ≤ 150		20 < S ≤ 150		8		-					
	150 < D ≤ 200		150 < S ≤ 200		6		-					
	200 < D ≤ 250		200 < S ≤ 250		6		-					
	Extruded tube Wall Thickness t (mm)											
	≤ 5											
	5 < t ≤ 25											
	Extruded Open profile Wall thickness t (mm)											
	≤ 5											
	5 < t ≤ 25											
	Extruded Hollow profile Wall thickness t (mm)											
	≤ 5											
5 < t ≤ 25												
No performance determined												
No performance determined												
No performance determined												
No performance determined												
No performance determined												
Chemical composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	remarks	others	aluminium	EN 15088:2005
	0,7			0,40	0,6						Remainder	
	1,3	0,50	0,10	1,0	1,2	0,25	0,20	0,10		0,05	0,15	

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 Hydro Extrusion Raeren S.A. by

Marcel ANDRATSCHKE Quality Manager

Raeren 29/09/2022