

# Declaration of Performance

N° 006 RAE 2020 08 18

Extruded Solutions  
Declaration of Performance  
0036-CPR-M-078-2014

Extrusion Benelux

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](http://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	<b>Tolerances on dimensions</b>										EN 15088:2005	
	Cross –sectional dimensions											
	Length											
	Squareness of cut ends											
	<b>Tolerances on form</b>											
	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 <sup>a</sup>		S <sup>b</sup>									
	≤ 20		≤ 20									
	20 < D ≤ 150		20 < S ≤ 150									
	150 < D ≤ 200		150 < S ≤ 200									
	200 < D ≤ 250		200 < S ≤ 250									
	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 <sub>p0.2</sub> (Mpa)											
	D <sup>a</sup>		S <sup>b</sup>									
	≤ 20		≤ 20									
	20 < D ≤ 150		20 < S ≤ 150									
	150 < D ≤ 200		150 < S ≤ 200									
	200 < D ≤ 250		200 < S ≤ 250									
	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 <sup>a</sup>		S <sup>b</sup>		A (%)		A <sub>50</sub> (%)					
	≤ 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												
Weldability										No performance determined		
Bendability										No performance determined		
Fatigue strength										No performance determined		
Regulated substance												
Durability										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 the manufacturer by

Helmuth RADERMACHER Quality Manager

Raeren

18/08/2020