

# Declaration of Performance

N° 002 RAE 2024 01 04

Extrusions Benelux  
Declaration of Performance  
0036-CPR-M 146.2023.001

Hydro Extrusion Raeren S.A.

1. Unique identification code of the product–type:  
**EN AW-6060 T66**
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  
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-146.2023.001
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			
<b>Tolerance on dimensions and shape</b>	<b>Tolerances on dimensions</b>										EN 12020-2:2022	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														
<b>Tensile strength</b>	Extruded rod / bar          Dimensions (mm)										EN 755-2:2016	EN 15088 : 2005		
											T66			
	D <sup>a</sup>					S <sup>b</sup>					R <sub>m</sub> (MPa)			
	≤ 150					≤ 150					215			
	Extruded tube          Wall Thickness t (mm)										215			
	Extruded profile          Wall thickness t (mm)										215			
	≤ 5										195			
5 < t ≤ 25										195				
<b>Yield strength</b>	Extruded rod / bar          Dimensions (mm)										R <sub>p0,2</sub> (Mpa)	EN 15088 : 2005		
	D <sup>a</sup>					S <sup>b</sup>								
	≤ 150					≤ 150							160	
	Extruded tube          Wall Thickness t (mm)												160	
	Extruded profile          Wall thickness t (mm)												160	
≤ 5										160				
5 < t ≤ 25										150				
<b>Elongation</b>	Extruded rod / bar          Dimensions (mm)										A (%)	A <sub>50</sub> (%)		
	D <sup>a</sup>					S <sup>b</sup>								
	≤ 150					≤ 150							8	6
	Extruded tube          Wall Thickness t (mm)												8	6
	Extruded profile          Wall thickness t (mm)												8	6
	≤ 5												8	6
5 < t ≤ 25										8	6			
<b>Weldability</b>	No performance determined													
<b>Bendability</b>	No performance determined													
<b>Fatigue strength</b>	No performance determined													
<b>Regulated substance</b>	No performance determined													
<b>Durability</b>	No performance determined													
<b>Chemical composition</b>	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	remarks	others	aluminium	EN 15088 : 2005		
	0,30	0,10			0,35						Remainder			
	0,6	0,30	0,10	0,10	0,6	0,05	0,15	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                                  4/01/2024