

# Declaration of Performance

N° 002 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-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

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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

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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 12020-2:2016	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		
	≤ 15												
	Extruded profile Wall thickness t (mm)										215		
≤ 3										195			
3 < t ≤ 25													
<b>Yield strength</b>	Extruded rod / bar Dimensions (mm)										EN 15088 : 2005		
	D <sup>a</sup>					S <sup>b</sup>						R <sub>p0.2</sub> (Mpa)	
	≤ 150					≤ 150						160	
	Extruded tube Wall Thickness t (mm)												
	≤ 15											160	
	Extruded profile Wall thickness t (mm)												
≤ 3										160			
3 < t ≤ 25										150			
<b>Elongation</b>	Extruded rod / bar Dimensions (mm)										EN 15088 : 2005		
	D <sup>a</sup>					S <sup>b</sup>						A (%)	A <sub>50</sub> (%)
	≤ 150					≤ 150						8	6
	Extruded tube Wall Thickness t (mm)												
	≤ 15											8	6
	Extruded profile Wall thickness t (mm)												
≤ 3										8	6		
3 < 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 the manufacturer by

Helmuth RADERMACHER Quality Manager

Raeren

18/08/2020