

Declaration of Performance

N° 001 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
B-4730 RAEREN
Tel : 0032 87 859 211
Fax : 0032 87 859 330
Internet: www.hydro.com
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 755-2:2016											
	T66											
	Rm (MPa)											
	≤ 150 ≤ 150											
	215											
	Extruded tube Wall Thickness t (mm)											
	≤ 15											
215												
Extruded profile Wall thickness t (mm)												
≤ 3												
215												
3 < t ≤ 25												
195												
Yield strength	Extruded rod / bar Dimensions (mm)										EN 15088:2005	
	R _{p0,2} (Mpa)											
	D ^a S ^b											
	≤ 150 ≤ 150											
	160											
	160											
Extruded tube Wall Thickness t (mm)												
≤ 15												
160												
Extruded profile Wall thickness t (mm)												
≤ 3												
160												
3 < t ≤ 25												
150												
Elongation	Extruded rod / bar Dimensions (mm)										EN 15088:2005	
	A (%) A ₅₀ (%)											
	D ^a S ^b											
	≤ 150 ≤ 150											
	8 6											
	6											
Extruded tube Wall Thickness t (mm)												
≤ 15												
8 6												
6												
Extruded profile Wall thickness t (mm)												
≤ 3												
8 6												
6												
3 < t ≤ 25												
8 6												
6												
Weldability	No performance determined											
Bendability	No performance determined											
Fatigue strength	No performance determined											
Regulated substance	No performance determined											
Durability	No performance determined											
Chemical composition	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
 Helmut RADERMACHER - Quality Manager

Raeren, 18/08/2020