

Declaration of Performance

N° 003 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-6063 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
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
Tolerance on dimensions and shape	Tolerances on dimensions								EN 755-9:2016 Group I				EN 15088:2005
	Cross –sectional dimensions												
	Length												
	Squareness of cut ends												
	Tolerances on form								EN 755-9:2016 Group I				
	Straightness												
	Convexity-Concavity												
	Contour												
	Twist												
	Angularity												
	Corner and fillet radii												
Tensile strength	Extruded rod / bar				Dimensions (mm)				EN 755-2:2016				
									T66				
	D ^a				S ^b				Rm (MPa)				
	≤ 150				≤ 150				-				
	150 < D ≤ 200				150 < S ≤ 200				-				
	≤ 200				≤ 200				245				
	Extruded tube		Wall Thickness t (mm)										
			≤ 25						245				
	Extruded profile		Wall thickness t (mm)										
			≤ 10						245				
			10 < t ≤ 25						225				
Yield strength	Extruded rod / bar				Dimensions (mm)								EN 15088:2005
	D ^a				S ^b				R _{p0.2} (Mpa)				
	≤ 150				≤ 150				-				
	150 < D ≤ 200				150 < D ≤ 200				-				
	≤ 200				≤ 200				200				
	Extruded tube		Wall Thickness t (mm)										
			≤ 25						200				
	Extruded profile		Wall thickness t (mm)										
			≤ 10						200				
			10 < t ≤ 25						180				
	Elongation	Extruded rod / bar				Dimensions (mm)							
D ^a				S ^b				A (%)		A ₅₀ (%)			
≤ 150				≤ 150				-		-			
150 < D ≤ 200				150 < D ≤ 200				-		-			
≤ 200				≤ 200				10		8			
Extruded tube		Wall Thickness t (mm)											
		≤ 25						10		8			
Extruded profile		Wall thickness t (mm)											
		≤ 10						8		6			
		10 < t ≤ 25						8		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
	0,20				0,45							Remainder	
	0.6	0.35	0.10	0.10	0.9	0.10	0.10	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