

Our date: 4/01/2024 Our ref.: MA

Our contact: Marcel Andratschke

Declaration of Performance

N° 004 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
- 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**

: 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:

www.hvdro.com/raeren

T +32 87 859 211

Not applicable

Belaium

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9. Declared performance

Essential Characteristic		Performance											Harmonised technical specification		
Tolerance on	Tolerances on dimensions											•			
dimensions and	Cross –sectional dimensions								EN 12020-2:2022						
shape	Length														
	Squareness of cut ends														
	Tolerances on form														
	Straightness												EN 15088:2005		
	Convexity-Concavity								EN 12020-2:2022						
		Contour													
		Twist													
	Angularity														
	Corner and fillet radii								EN 777 0 00 10						
Tensile strength	Extruded rod / bar Dimensions (mm)								EN 755-2:2016						
	Da Ob								T66						
	D ^a S ^b							Rm (MPa)							
	≤ 150 ≤ 150							-							
	150 < D ≤ 200 ≤ 200				150 < S ≤ 200				- 245				_		
	Fretman			/all Thial	≤ 200				245				_		
	Extruded tube Wall Thickness t (mm) ≤ 25								245						
									245						
	Extruded profile Wall thickness t (mm) ≤ 10								245						
	10 < t ≤ 25								245						
Yield strength	Extrud	Extruded rod / bar Dimensions (mm)							220			-			
	LXIIdd	D ^a S ^b							R _{p0,2} (Mpa)						
									-				EN 15088:2005		
	1	150 < D ≤ 200				≤ 150 150 < D ≤ 200			-						
		≤ 200 ≤ 2							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	۱ (%)	A ₅₀ (%	6)			
		≤ 15				≤ 150				-		-			
	150 < D ≤ 200				150 < D ≤ 200					-		-			
		≤ 200			≤ 200					10		8	4		
	Extruded tube Wall Thickness t (mm)									4.0	+				
	F . ()	≤ 25								10		8			
	Extrud	Extruded profile Wall thickness t (mm)								0	+				
	≤ 10 10 < t ≤ 25									8	-	6			
Weldability				10 < ι ≤		o perfor	mance	letermin	ad	0	_1	0			
Bendability						o perfor									
Fatique strength															
Regulated		No performance determined No performance determined													
substance					11	o ponon			- G						
Durability					N	o perfor	mance o	letermin	ed						
Chemical	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	remarks	Of	thers	aluminium			
composition	0,20				0,45								EN 15088:2005		
	0,6	0,35	0,10	0,10	0,9	0,10	0,10	0,10		0,05	0,15	Remainder			

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