

# Declaration of Performance

N° 004 RAE 20 08 18

Extruded Solutions  
Declaration of Performance  
0036-CPR-M-078-2014

Extrusion Benelux

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  
Fax : 0032 87 859 330  
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-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	
<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			-						
	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							
<b>Yield strength</b>	Extruded rod / bar		Dimensions (mm)			EN 755-2:2016					EN 15088:2005	
	D <sup>a</sup>		S <sup>b</sup>			R <sub>p0.2</sub> (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						
<b>Elongation</b>	Extruded rod / bar		Dimensions (mm)			A (%)		A <sub>50</sub> (%)			EN 15088:2005	
	D <sup>a</sup>		S <sup>b</sup>									
	≤ 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				
<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
	0,20				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 the manufacturer by

Helmuth RADERMACHER Quality Manager

Raeren

18/08/2020