

Declaration of Performance (DoP)		6005-T6								
In compliance with EU regulation 305/2011, Annex III										
For the construction product		Extruded aluminium sections								
1. Unique identification code of the product type:	EN AW-6005A T6 / EN 755-9									
2. Type, batch or serial number or any other element allowing identification of the construction product in compliance with Article 11(4):	Extruded section according to 15008:2005 / EN AW-6005A T6 according to EN 755-1									
3. Use(s) of the construction product intended by the manufacturer in compliance with the applicable harmonized technical specification:	Indoor and outdoor areas of load-bearing structures									
4. Name, registered trade name or registered trade mark and contact address of the manufacturer in compliance with Article 11(5):	Hydro Extrusion Puget SAS ZA du Camp Dessert Nord – France 83488 Puget sur Argens Tel : +33 (0) 498112000 ; fax : +33 (0) 494452344									
5. Name and contact address of the authorized representative commissioned with the tasks under Article 12 (2), if any:	Not appointed									
6. System(s) for assessment and verification of constancy of performance of the construction product in compliance with Annex V:	System 2+									
7. If the declaration of performance concerns a construction product that is covered by a harmonized standard:	The notified body (DNV) performed the initial inspection of the manufacturing plant and of factory production control, as well as continuous surveillance, assessment and evaluation of factory production control in compliance with System 2+ and issue certificate 2388-CPR-07402 confirming conformity of the factory production control with the requirements set out in Annex ZA of EN 15088:2005									
8. If the declaration of performance concerns a construction product for which a European Technical Assessment was issued:	Not applicable									
9. Performance declared:										
Essential characteristics	Performance		Harmonized technical specification							
Dimensional and shape tolerances	In compliance with standard		EN 755-9							
Mechanical characteristics	In compliance with standard		EN 755-2							
Flat profiles										
Wall thickness t (mm)	Tensile strength R _m [MPa]	Yield strength R _{p0.2} [MPa]		Elongation A [%]						
	min. max.	min. max.		min. min.						
≤ 5	270 NPD	225 NPD		8 6						
5 < t ≤ 10	260 NPD	215 NPD		8 6						
10 < t ≤ 25	250 NPD	200 NPD		8 6						
Hollow profiles										
Wall thickness t (mm)	Tensile strength R _m [MPa]	Yield strength R _{p0.2} [MPa]		Elongation A [%]						
	min. max.	min. max.		min. min.						
≤ 5	255 NPD	215 NPD	8 6							
5 < t ≤ 15	250 NPD	200 NPD	8 6							
Weldability	Class I		EN 1999-1							
Bendability	B3									
Fatigue strength	NPD		EN 1999-1-3							
Wear resistance	Table 3.1a		EN 1999-1							
Chemical composition	Elements	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	EN 573-3
	min	0.50	-	-	-	0.40	-	-	-	
	max	0.90	0.35	0.30	0.50	0.70	0.30	-	0.20	
	Elements	Ti	Ga	V	Other (each)	Other (total)	Al	Remark		
min	-	-	-	-	-	Rest	0.12-0.50			
max	0.10	-	-	0.05	0.15		Mn+Cr			
10. The performance of the product according to numbers 1 and 2 is in accordance with the performance declared according to number 9. Only the manufacturer under 4 is responsible for preparing this declaration of performance.										

Signed for and on behalf of the manufacturer by:

Name and function:

Benoît DURET (Quality manager)

Place, date, signature:

Puget Sur Argens, 23/06/2023

