

Declaration of Performance (DoP)										
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 Lucé / Châteauroux Avenue Pierre de Coubertin Tel : +33 (0) 254292200 Fax : +33 (0) 254292222								
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 (Karlsruhe Institute of Technology no. 0769) 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 0769-CPR-VAS-00713-1 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		Tensile strength R_m [MPa]		Yield strength R_{p0.2} [MPa]		Elongation A [%]	Elongation A_{50mm} [%]			HBW typical value
Wall thickness t (mm)		min.	max.	min.	max.	min.	min.			
≤ 5		270	NPD	225	NPD	8	6			90
5 < t ≤ 10		260	NPD	215	NPD	8	6			85
10 < t ≤ 25		250	NPD	200	NPD	8	6			85
Hollow profiles		Tensile strength R_m [MPa]		Yield strength R_{p0.2} [MPa]		Elongation A [%]	Elongation A_{50mm} [%]			HBW typical value
Wall thickness t (mm)		min.	max.	min.	max.	min.	min.			
≤ 5		255	NPD	215	NPD	8	6			85
5 < t ≤ 15		250	NPD	200	NPD	8	6			85
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
		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			
EN 573-3										
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:

Yann Lamotte (Quality manager)

Place, date, signature:

Chateauroux, 08/02/2019

