Hydro Extrusion Puget
ZA du Camp Dessert Nord
France 83488 Puget sur Argens

Hydro

Declaration of Performance (DoP) — 6082-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-6082 T6/ EN 755-9** (pour mémoire le 6082 équivalent au 6351)
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-6082 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 [%]**	**Elongation A_{50mm} [%]**	**HBW typical value**
	min.	max.	min.	max.	min.	min.	
≤ 5	290	NPD	250	NPD	8	6	95
5 ≤ t ≤ 25	310	NPD	260	NPD	10	8	95

Hollow profiles

Wall thickness t (mm)	**Tensile strength R_m [MPa]**		**Yield strength $R_{p0.2}$ [MPa]**		**Elongation A [%]**	**Elongation A_{50mm} [%]**	**HBW typical value**
	min.	max.	min.	max.	min.	min.	
≤ 5	270	NPD	230	NPD	8	6	90
5 ≤ t ≤ 25	310	NPD	260	NPD	10	8	95

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 — EN 573-3

Elements	**Si**	**Fe**	**Cu**	**Mn**	**Mg**	**Cr**	**Ni**	**Zn**
min	0.7	-	-	0.4	0.6	-	-	-
max	1.3	0.5	0.10	1	1.2	0.25		0.20

Elements	**Ti**	**Ga**	**V**	**Other (each)**	**Other (total)**	**Al**	**Remark**
min	-	-	-	-	-	Rest	
max	0.10	-	-	0.05	0.15		

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

HYDRO EXTRUSION PUGET SERVICE QUALITE