

Declaration of Performance (DoP) In compliance with EU regulation 305/2011, Annex III										6082-T6																																																																																																																																																																																											
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 équivaut 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):		<b>Hydro Extrusion Puget SAS</b> 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:		<b>Not appointed</b>																																																																																																																																																																																																			
6. System(s) for assessment and verification of constancy of performance of the construction product in compliance with Annex V:		<b>System 2+</b>																																																																																																																																																																																																			
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 <b>2388-CPR-07402</b> confirming conformity of the factory production control with the requirements set out in Annex ZA of EN 15088:2005 and 2388 – CPR – 22 – 095 – 17 conforming EN 1090-1																																																																																																																																																																																																			
8. If the declaration of performance concerns a construction product for which a European Technical Assessment was issued:		<b>Not applicable</b>																																																																																																																																																																																																			
9. Performance declared:		<table border="1"> <thead> <tr> <th colspan="2">Essential characteristics</th> <th colspan="6">Performance</th> <th>Harmonized technical specification</th> </tr> <tr> <th colspan="2">Dimensional and shape tolerances</th> <th colspan="6">In compliance with standard</th> <th>EN 755-9</th> </tr> <tr> <th colspan="2">Mechanical characteristics</th> <th colspan="6">In compliance with standard</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="2">Flat profiles</td> <td colspan="6"></td> <td></td> </tr> <tr> <td rowspan="3">Wall thickness t (mm)</td> <td>Tensile strength R<sub>m</sub> [MPa]</td> <td colspan="2">min.</td> <td colspan="2">max.</td> <td>Elongation A [%]</td> <td>Elongation A<sub>50mm</sub> [%]</td> <td>HBW typical value</td> </tr> <tr> <td>≤ 5</td> <td colspan="2">290</td> <td colspan="2">NPD</td> <td>8</td> <td>6</td> <td>95</td> </tr> <tr> <td>5 ≤ t ≤ 25</td> <td colspan="2">310</td> <td colspan="2">NPD</td> <td>10</td> <td>8</td> <td>95</td> </tr> <tr> <td colspan="2">Hollow profiles</td> <td colspan="6"></td> <td></td> </tr> <tr> <td rowspan="3">Wall thickness t (mm)</td> <td>Tensile strength R<sub>m</sub> [MPa]</td> <td colspan="2">min.</td> <td colspan="2">max.</td> <td>Elongation A [%]</td> <td>Elongation A<sub>50mm</sub> [%]</td> <td>HBW typical value</td> </tr> <tr> <td>≤ 5</td> <td colspan="2">270</td> <td colspan="2">NPD</td> <td>8</td> <td>6</td> <td>90</td> </tr> <tr> <td>5 ≤ t ≤ 25</td> <td colspan="2">310</td> <td colspan="2">NPD</td> <td>10</td> <td>8</td> <td>95</td> </tr> <tr> <td colspan="2">Weldability</td> <td colspan="6">Class I</td> <td>EN 1999-1</td> </tr> <tr> <td colspan="2">Bendability</td> <td colspan="6">B3</td> <td></td> </tr> <tr> <td colspan="2">Fatigue strength</td> <td colspan="6">NPD</td> <td>EN 1999-1-3</td> </tr> <tr> <td colspan="2">Wear resistance</td> <td colspan="6">Table 3.1a</td> <td>EN 1999-1</td> </tr> <tr> <td rowspan="4">Chemical composition</td> <td>Elements</td> <td>Si</td> <td>Fe</td> <td>Cu</td> <td>Mn</td> <td>Mg</td> <td>Cr</td> <td>Ni</td> <td>Zn</td> </tr> <tr> <td>min</td> <td>0.7</td> <td>-</td> <td>-</td> <td>0.4</td> <td>0.6</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>max</td> <td>1.3</td> <td>0.5</td> <td>0.10</td> <td>1</td> <td>1.2</td> <td>0.25</td> <td>-</td> <td>0.20</td> </tr> <tr> <td>Elements</td> <td>Ti</td> <td>Ga</td> <td>V</td> <td>Other (each)</td> <td>Other (total)</td> <td>Al</td> <td colspan="2">Remark</td> </tr> <tr> <td></td> <td>min</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Rest</td> <td colspan="2"></td> </tr> <tr> <td></td> <td>max</td> <td>0.10</td> <td>-</td> <td>-</td> <td>0.05</td> <td>0.15</td> <td colspan="2"></td> <td></td> </tr> </tbody> </table>								Essential characteristics		Performance						Harmonized technical specification	Dimensional and shape tolerances		In compliance with standard						EN 755-9	Mechanical characteristics		In compliance with standard							Flat profiles									Wall thickness t (mm)	Tensile strength R <sub>m</sub> [MPa]	min.		max.		Elongation A [%]	Elongation A <sub>50mm</sub> [%]	HBW typical value	≤ 5	290		NPD		8	6	95	5 ≤ t ≤ 25	310		NPD		10	8	95	Hollow profiles									Wall thickness t (mm)	Tensile strength R <sub>m</sub> [MPa]	min.		max.		Elongation A [%]	Elongation A <sub>50mm</sub> [%]	HBW typical value	≤ 5	270		NPD		8	6	90	5 ≤ t ≤ 25	310		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	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			
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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, 17/06/2025

