

Declaration of Performance (DoP)							
in compliance with EU regulation 305/2011, Annex III							
1.	Unique identification code of the product type:		EN AW-6005A T4 / 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 EN 15088:2005 / EN AW-6005A T4 according to EN 755-9				
3.	Use(s) of the construction product intended by the manufacturer in compliance with the applicable harmonised technical specification		Indoor and outdoor areas 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 Offenburg GmbH Industriestraße 10 77656 Offenburg				
5.	Name and contact address of the authorised 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 harmonised 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-CPD-132085 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			Harmonised technical specification	
		Dimensional and shape tolerances	In compliance with standard			EN 12020-2	
		Yield strength	Wall thickness t [mm]	Rp0,2 [MPa]		EN 755-2	
			≤ 25	min.	max.		
				90	NPD		
		Tensile strength	Wall thickness t [mm]	Rm [MPa]			
			≤ 25	min.	max.		
				180	NPD		
		Elongation at break	Wall thickness t [mm]	A50mm [%]	A [%]		
			≤ 25	13	15		
	HBW-typical value	≤ 25	50				
	Weldability	Class I			EN 1999-1		
	Bendability	LNB					
	Fatigue strength	NPD			EN 1999-1-3		
	Wear resistance	Table 3.1a			EN 1999-1-1		
	Chemical composition	Si	Fe	Cu	Mn	Mg	Cr
		0,50-0,9	0,35	0,30	0,50	0,4-0,7	0,30
		Ni	Zn	Ti	Ga	V	
		-	0,20	0,10	-	-	
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 number 4 is responsible for preparing this declaration of performance.						

Signed for and on behalf of the manufacturer by:

Name and position: Alexander Müller, QMB

Place, date, signature: 16.03.2020

Hydro Extrusion Offenburg GmbH
 Industriestr. 10
 77656 Offenburg
 Deutschland



Declaration of Performance (DoP)							
in compliance with EU regulation 305/2011, Annex III							
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 EN 15088:2005 / EN AW-6005A T6 according to EN 755-9						
3. Use(s) of the construction product intended by the manufacturer in compliance with the applicable harmonised technical specification	Indoor and outdoor areas 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 Offenburg GmbH Industriestraße 10 77656 Offenburg						
5. Name and contact address of the authorised 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 harmonised 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-CPD-132085 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				Harmonised technical specification	
	Dimensional and shape tolerances	In compliance with standard				EN 12020-2	
Yield strength open profile	Wall thickness t [mm]	Rp0,2 [MPa]				EN 755-2	
		min.	max.				
		≤ 5	225	NPD			
5-10	215	NPD					
10-25	200	NPD					
Yield strength hollow profile	Wall thickness t [mm]	≤ 5	215	NPD			
		5-15	200	NPD			
Tensile strength open profile	Wall thickness t [mm]	Rm [MPa]					
		min.	max.				
		≤ 5	270	NPD			
Tensile strength hollow profile	Wall thickness t [mm]	5-10	260	NPD			
		10-25	250	NPD			
Elongation at break open profile	Wall thickness t [mm]	≤ 5	255	NPD			
		5-15	250	NPD			
Elongation at break hollow profile	Wall thickness t [mm]	A50mm [%]	A [%]				
		≤ 5	6	8			
		5-10	6	8			
HBW-typ. Value open	Wall thickness t [mm]	≤ 5	90	5-10	85	10-25	85
		5-15	85	5-15	85	-	-
Weldability	Class I					EN 1999-1	
Bendability	B3						
Fatigue strength	NPD						
Wear resistance	Table 3.1a					EN 1999-1-3	
Chemical composition	Si	Fe	Cu	Mn	Mg	Cr	
	0,50-0,9	0,35	0,30	0,50	0,4-0,7	0,30	
	Ni	Zn	Ti	Ga	V		
	-	0,20	0,10	-	-		

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 number 4 is responsible for preparing this declaration of performance.

Signed for and on behalf of the manufacturer by:

Name and position: Alexander Müller, QMB

Place, date, signature: 16.03.2020

Hydro Extrusion Offenburg GmbH
 Industriestr. 10
 77656 Offenburg
 Deutschland

