

DECLARATION OF PERFORMANCE

No. 22/2021

1. Unique identification code of the product-type:

Gränges_Konin_5086_RYF

2. Intended use or uses:

Intended for internal and external loaded construction elements of buildings.

3. Manufacturer:

Gränges Konin S.A., Bolesława Prusa 2 Street, 00-493 Warsaw, Poland
Correspondence address: Hutnicza 1 Street, 62-510 Konin, Poland

4. System or systems of assessment and verification of constancy of performance:

System 2+

5. Harmonized standard:

EN 15088: 2005

Notified body/ies:

**Research and Certification Department „ZETOM” prof. F. Stauba in Katowice sp. z o.o.,
Notified Body number 1436**

6. Declared performance: Sheet and strip ribbed aluminium alloy EN AW-5086

Essential characteristics	Performance	Harmonized technical specification																		
Tolerances on dimensions and shape PN-EN 1386	Thickness tolerances	PN-EN 15088:2005																		
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Essential characteristics	Performance										Harmonized technical specification	
Mechanical properties PN-EN 1386	Temper	Specified thickness [mm]		Tensile strength R _m [MPa]		Yield strength R _{p0,2} [MPa]		Elongation A50 mm [%]		Bend radius		PN-EN 15088:2005
	H114	1,2	1,5	240	310	100		6		2,t		
		1,5	3,0	240	310	100		8		2t		
		3,0	6,0	240	310	100		10		2,5t		
		6,0	20,0	240	310	100		12	16	-		
	H16	1,2	1,5	275		195		3		3,5 t		
1,5		3,0	275		195		4		4t			
3,0		6,0	275		195		5		4,5t			
6,0		20,0	275		195		6	9	-			
H224	1,2	1,5	275	340	185		3		3,5t			
	1,5	3,0	275	340	185		4		4t			
	3,0	6,0	275	340	185		5		4,5t			
	6,0	20,0	275	340	185		6	9	-			
H244	1,2	1,5	300	360	220		2		4t			
	1,5	3,0	300	360	220		2		4,5t			
	3,0	6,0	300	360	220		3		5,5t			
	6,0	20,0	300	360	220		4	5	-			
Weldability PN-EN 1999-1-1	Class I											
Bendability	Alloy	Temper										
		H114	H116	H224	H244							
	EN AW-5086	-	-	-	-							
Fatigue strength	NPD											
Dangerous substances PN-EN 573-3	NO											
Durability rating PN-EN 1999-1-1	Class A											

The performance of the product identified above is in conformity with the declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011,
under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Paweł Rutecki
Director of Development and Investment

Konin, 13 April 2021

Director of Development & Investment

Paweł Rutecki