

DECLARATION OF PERFORMANCE

No. 29/2021

1. Unique identification code of the product-type:

Gränges_Konin_5754_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-5754

Essential characteristics	Performance	Harmonized technical specification																		
Tolerances on dimensions and shape PN-EN 1386	Thickness tolerances																			
	<table border="1"> <thead> <tr> <th colspan="2">Nominal thickness „t” [mm]</th> <th>The maximum thickness tolerance for specified width [mm]</th> </tr> <tr> <th colspan="2"></th> <th>Up to and including 1600mm</th> </tr> </thead> <tbody> <tr> <td>≥1,2</td> <td>2,5</td> <td>±0,20</td> </tr> <tr> <td>>2,5</td> <td>3,5</td> <td>±0,30</td> </tr> <tr> <td>>3,5</td> <td>5,0</td> <td>±0,40</td> </tr> </tbody> </table>		Nominal thickness „t” [mm]		The maximum thickness tolerance for specified width [mm]			Up to and including 1600mm	≥1,2	2,5	±0,20	>2,5	3,5	±0,30	>3,5	5,0	±0,40	PN-EN 15088:2005		
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	Width tolerances for sheet and strip																			
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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 90°		PN-EN 15088:2005
	H114	1,2	1,5	190	260	80		8		1,5t		
		1,5	3,0	190	260	80		10		2t		
		3,0	6,0	190	260	80		12		2t		
		6,0	20,0	190	260	80		14	15	-		
H224	1,2	1,5	220	275	130		4		2t			
	1,5	3,0	220	275	130		6		2,5t			
	3,0	6,0	220	275	130		8		2,5t			
	6,0	20,0	220	275	130		9	10	-			
H244	1,2	1,5	240	295	160		2		2,5t			
	1,5	3,0	240	295	160		3		3t			
	3,0	6,0	240	295	160		4		3,5t			
	6,0	20,0	240	295	160		6	7	-			
Weldability PN-EN 1999-1-1	Class I											
Bendability	Alloy		Temper									
			H114			H224			H244			
		EN AW-5754		-			-			-		
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