

DECLARATION OF PERFORMANCE

No. 18/2021

1. Unique identification code of the product-type:

Granges_Konin_5052_RYF

2. Intended use or uses:

Intended for internal and external loaded construction elements of buildings.

3. Manufacturer:

Granges 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-5052

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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Essential characteristics	Performance										Harmonized technical specification	
Mechanical properties PN-EN 1386	Temper	Specified thickness [mm]		Tensile strength Rm [MPa]		Yield strength Rp0,2 [MPa]		Elongation A50 mm [%]		Bend radiusa	PN-EN 15088:2005	
				min	max	min	max	min	max	90°		
	H114	Over	Up to and including									
		1,2	1,5	170	240	65		8		1t		
		1,5	3,0	170	240	65		10		1t		
3,0		6,0	170	240	65		12		1,75t			
H224	6,0	20,0	170	240	65		14	15	-			
	1,2	1,5	210	270	130		4		1,5t			
	1,5	3,0	210	270	130		6		2t			
	3,0	6,0	210	270	130		8		2t			
H244	6,0	20,0	210	270	130		9	10	-			
	1,2	1,5	230	290	150		2		2t			
	1,5	3,0	230	290	150		3		2,5t			
	3,0	6,0	230	290	150		4		3t			
6,0	20,0	230	290	150		6	7		-			
	Weldability PN-EN 1999-1-1										Class I	
	Bendability	Alloy	Temper									
			H114	H224			H244					
EN AW-5052	-	-			-							
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