

DECLARATION OF PERFORMANCE

No. 20/2021

1. Unique identification code of the product-type:

Granges_Konin_5083_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-5083

Essential characteristics	Performance	Harmonized technical specification																	
Tolerances on dimensions and shape PN-EN 1386	Thickness tolerances	PN-EN 15088:2005																	
	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="379 1120 715 1205">Nominal thickness „t” [mm]</th> <th data-bbox="715 1120 1203 1205">The maximum thickness tolerance for specified width [mm]</th> </tr> <tr> <th colspan="2"></th> <th data-bbox="715 1205 1203 1216">Up to and including 1600mm</th> </tr> </thead> <tbody> <tr> <td data-bbox="379 1216 549 1238">≥1,2</td> <td data-bbox="549 1216 715 1238">2,5</td> <td data-bbox="715 1216 1203 1238">±0,20</td> </tr> <tr> <td data-bbox="379 1238 549 1261">>2,5</td> <td data-bbox="549 1238 715 1261">3,5</td> <td data-bbox="715 1238 1203 1261">±0,30</td> </tr> <tr> <td data-bbox="379 1261 549 1283">>3,5</td> <td data-bbox="549 1261 715 1283">5,0</td> <td data-bbox="715 1261 1203 1283">±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		
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	≥1,2		2,5	±0,20															
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	Width tolerances for sheet and strip																		
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Length tolerances for sheet																			
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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	275	350	125		6		2,t		
		1,5	3,0	275	350	125		8		2t		
		3,0	6,0	275	350	125		10		2,5t		
		6,0	20,0	275	350	125		12	14	-		
	H16	1,2	1,5	305		215		3		3,5 t		
1,5		3,0	305		215		4		4t			
3,0		6,0	305		215		5		4,5t			
6,0		20,0	305		215		6	7	-			
H224	1,2	1,5	305	380	215		3		3,5t			
	1,5	3,0	305	380	215		4		4t			
	3,0	6,0	305	380	215		5		4,5t			
	6,0	20,0	305	380	215		6	7	-			
H244	1,2	1,5	340	400	250		2		3,5t			
	1,5	3,0	340	400	250		2		4t			
	3,0	6,0	340	400	250		3		4,5t			
	6,0	20,0	340	400	250		4	5	-			
Weldability PN-EN 1999-1-1	Class I											
Bendability	Alloy	Temper										
		H114	H116	H224	H244							
	EN AW-5083	-	-	-	-							
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