

DECLARATION OF PERFORMANCE

No. 2/2021

1. Unique identification code of the product-type:

Gränges_Konin_1050A_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: Tread sheet and strip aluminium alloy EN AW-1050A

Essential characteristics	Performance	Harmonized technical specification																																																
Dimensional tolerances IDT EN 1386	<p>Thickness tolerances</p> <table border="1" data-bbox="384 1115 1211 1263"> <thead> <tr> <th colspan="2" data-bbox="384 1115 660 1182">Specified thickness „t” [mm]</th> <th data-bbox="660 1115 1211 1149">Thickness tolerances [mm]</th> </tr> <tr> <th colspan="2"></th> <th data-bbox="660 1149 1211 1182">Up to and including 1600</th> </tr> </thead> <tbody> <tr> <td data-bbox="384 1182 523 1216">≥1,2</td> <td data-bbox="523 1182 660 1216">2,5</td> <td data-bbox="660 1182 1211 1216">±0,20</td> </tr> <tr> <td data-bbox="384 1216 523 1249">>2,5</td> <td data-bbox="523 1216 660 1249">3,5</td> <td data-bbox="660 1216 1211 1249">±0,30</td> </tr> <tr> <td data-bbox="384 1249 523 1263">>3,5</td> <td data-bbox="523 1249 660 1263">5,0</td> <td data-bbox="660 1249 1211 1263">±0,40</td> </tr> </tbody> </table> <p>Width tolerances for strip and sheet</p> <table border="1" data-bbox="376 1323 1219 1552"> <thead> <tr> <th data-bbox="376 1323 668 1391" rowspan="2">Specified thickness „t” [mm]</th> <th colspan="2" data-bbox="668 1323 1219 1357">Width tolerance for specified width [mm]</th> </tr> <tr> <th data-bbox="668 1357 874 1391">Up to and including 1500</th> <th data-bbox="874 1357 1219 1391">Over 1500mm up to and including 2500</th> </tr> </thead> <tbody> <tr> <td data-bbox="376 1391 668 1447">1,2≤t≤3,0</td> <td data-bbox="668 1391 874 1447">+1,5 0</td> <td data-bbox="874 1391 1219 1447">+8 0</td> </tr> <tr> <td data-bbox="376 1447 668 1503">3,0<t≤8,0</td> <td data-bbox="668 1447 874 1503">+3 0</td> <td data-bbox="874 1447 1219 1503">+10 0</td> </tr> <tr> <td data-bbox="376 1503 668 1552">t>8,0</td> <td data-bbox="668 1503 874 1552">+5 0</td> <td data-bbox="874 1503 1219 1552">+8 0</td> </tr> </tbody> </table> <p>Length tolerances for sheet</p> <table border="1" data-bbox="387 1612 1208 1912"> <thead> <tr> <th data-bbox="387 1612 632 1680" rowspan="2">Specified thickness „t” [mm]</th> <th colspan="3" data-bbox="632 1612 1208 1646">Length tolerance for specified length [mm]</th> </tr> <tr> <th data-bbox="632 1646 762 1760">Up to and including 2000mm</th> <th data-bbox="762 1646 892 1760">Over 2000mm up to and including 5000mm</th> <th data-bbox="892 1646 1208 1760">Over 5000mm</th> </tr> </thead> <tbody> <tr> <td data-bbox="387 1760 632 1816">1,2≤t≤3,0</td> <td data-bbox="632 1760 762 1816">+8 0</td> <td data-bbox="762 1760 892 1816">+10 0</td> <td data-bbox="892 1760 1208 1816">+12 0</td> </tr> <tr> <td data-bbox="387 1816 632 1872">3,0<t≤8,0</td> <td data-bbox="632 1816 762 1872">+8 0</td> <td data-bbox="762 1816 892 1872">+10 0</td> <td data-bbox="892 1816 1208 1872">+12 0</td> </tr> <tr> <td data-bbox="387 1872 632 1912">t>8,0</td> <td data-bbox="632 1872 762 1912">+6 0</td> <td data-bbox="762 1872 892 1912">+8 0</td> <td data-bbox="892 1872 1208 1912">+10 0</td> </tr> </tbody> </table>	Specified thickness „t” [mm]		Thickness tolerances [mm]			Up to and including 1600	≥1,2	2,5	±0,20	>2,5	3,5	±0,30	>3,5	5,0	±0,40	Specified thickness „t” [mm]	Width tolerance for specified width [mm]		Up to and including 1500	Over 1500mm up to and including 2500	1,2≤t≤3,0	+1,5 0	+8 0	3,0<t≤8,0	+3 0	+10 0	t>8,0	+5 0	+8 0	Specified thickness „t” [mm]	Length tolerance for specified length [mm]			Up to and including 2000mm	Over 2000mm up to and including 5000mm	Over 5000mm	1,2≤t≤3,0	+8 0	+10 0	+12 0	3,0<t≤8,0	+8 0	+10 0	+12 0	t>8,0	+6 0	+8 0	+10 0	EN 15088:2005
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Essential characteristics	Performance									Harmonized technical specification	
Mechanical properties IDT 1386	Temper	Specified thickness		Tensile strength Rm		Yield strength Rp0,2		Elongation A50 mm		Bend radius	EN 15088:2005
		[mm]		[MPa]		[MPa]		[%]		90°	
	Over	Up to and including	min	max	min	max	min	max	90°		
	H244	1,2 1,5 3,0 6,0	1,5 3,0 6,0 20,0	105 105 105 105	145 145 145 145	75 75 75 75		2 3 4 5	8	1t 1,5t 2t -	
Weldability IDT EN 1999-1-1	Class I										
Bendability	Alloy	Temper									
	EN AW-1050A	H244 -									
Fatigue strength	NPD										
Dangerous substances IDT EN 573-3	NO										
Durability rating IDT 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