

DECLARATION OF PERFORMANCE

No. 33/2021

1. Unique identification code of the product-type:

Gränges_Konin_AK4C

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. Harmonised 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, plate and strip aluminum alloy AK4C cold rolled

Essential characteristics	Performance	Harmonised technical specification																																																																																																				
Dimensional tolerances IDT EN 485-4	Thickness tolerances <table border="1"> <thead> <tr> <th colspan="2" rowspan="2">Specified thickness [mm]</th> <th colspan="4">Thickness tolerances [mm]</th> </tr> <tr> <th>Up to and including 1000mm</th> <th>Over 1000mm up to and including 1250mm</th> <th>Over 1250mm up to and including 1600mm</th> <th>Over 1600mm up to and including 2000mm</th> </tr> <tr> <th>Over</th> <th>Up to and including</th> <th>mm</th> <th>mm</th> <th>mm</th> <th>mm</th> </tr> </thead> <tbody> <tr><td>0,20</td><td>0,4</td><td>±0,02</td><td>±0,04</td><td>±0,05</td><td>-</td></tr> <tr><td>0,4</td><td>0,5</td><td>±0,03</td><td>±0,04</td><td>±0,05</td><td>±0,06</td></tr> <tr><td>0,5</td><td>0,6</td><td>±0,03</td><td>±0,05</td><td>±0,06</td><td>±0,07</td></tr> <tr><td>0,6</td><td>0,8</td><td>±0,03</td><td>±0,06</td><td>±0,07</td><td>±0,08</td></tr> <tr><td>0,8</td><td>1,0</td><td>±0,04</td><td>±0,06</td><td>±0,08</td><td>±0,09</td></tr> <tr><td>1,0</td><td>1,2</td><td>±0,04</td><td>±0,07</td><td>±0,09</td><td>±0,10</td></tr> <tr><td>1,2</td><td>1,5</td><td>±0,05</td><td>±0,09</td><td>±0,10</td><td>±0,11</td></tr> <tr><td>1,5</td><td>1,8</td><td>±0,06</td><td>±0,10</td><td>±0,11</td><td>±0,12</td></tr> <tr><td>1,8</td><td>2</td><td>±0,06</td><td>±0,11</td><td>±0,12</td><td>±0,14</td></tr> <tr><td>2</td><td>2,5</td><td>±0,07</td><td>±0,12</td><td>±0,13</td><td>±0,15</td></tr> <tr><td>2,5</td><td>3,0</td><td>±0,08</td><td>±0,13</td><td>±0,15</td><td>±0,17</td></tr> <tr><td>3,0</td><td>3,5</td><td>±0,10</td><td>±0,15</td><td>±0,17</td><td>±0,18</td></tr> <tr><td>3,5</td><td>4,0</td><td>±0,15</td><td>±0,20</td><td>±0,22</td><td>±0,23</td></tr> <tr><td>4,0</td><td>5,0</td><td>±0,18</td><td>±0,22</td><td>±0,24</td><td>±0,25</td></tr> </tbody> </table> <p>When measuring the thickness, a zone 10mm wide from the edges of the product shall be disregarded.</p>	Specified thickness [mm]		Thickness tolerances [mm]				Up to and including 1000mm	Over 1000mm up to and including 1250mm	Over 1250mm up to and including 1600mm	Over 1600mm up to and including 2000mm	Over	Up to and including	mm	mm	mm	mm	0,20	0,4	±0,02	±0,04	±0,05	-	0,4	0,5	±0,03	±0,04	±0,05	±0,06	0,5	0,6	±0,03	±0,05	±0,06	±0,07	0,6	0,8	±0,03	±0,06	±0,07	±0,08	0,8	1,0	±0,04	±0,06	±0,08	±0,09	1,0	1,2	±0,04	±0,07	±0,09	±0,10	1,2	1,5	±0,05	±0,09	±0,10	±0,11	1,5	1,8	±0,06	±0,10	±0,11	±0,12	1,8	2	±0,06	±0,11	±0,12	±0,14	2	2,5	±0,07	±0,12	±0,13	±0,15	2,5	3,0	±0,08	±0,13	±0,15	±0,17	3,0	3,5	±0,10	±0,15	±0,17	±0,18	3,5	4,0	±0,15	±0,20	±0,22	±0,23	4,0	5,0	±0,18	±0,22	±0,24	±0,25	EN 15088:2005
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		Over	Up to and including	min	max	min	max	min	max
Mechanical properties according to internal documentation	H18	0,2	0,5	200		180		1	
		0,5	1,5	200		180		2	
		1,5	2,5	200		180		2	
	H22	0,2	0,5	130	180	75		6	
		0,5	1,5	130	180	75		8	
		1,5	3,0	130	180	75		8	
	H24	0,2	0,5	130	180	75		10	
		0,5	1,5	160	210	110		4	
		1,5	3,0	160	210	110		5	
	H26	0,2	0,5	160	210	110		6	
		0,5	1,5	170	220	130		3	
		1,5	3,0	170	220	130		4	
	H28	0,2	0,5	200		160		7	
		0,5	1,5	200		160		4	
		1,5	2,5	200		160		4	
	Weldability IDT EN 1999-1-1	-							
	Bendability	-							
	Fatigue strength	NPD							
	Dangerous substances according to Internal documentation	NO							
	Durability rating IDT EN 1999-1-1	-							

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, 3 January 2022

