



## DECLARATION OF PERFORMANCE

No. 1/2015

1. Unique identification code of the product-type:  
**Aluminium\_Konin\_1050A**
  2. Intended use or uses:  
**Intended for internal and external loaded construction elements of buildings**
  3. Manufacturer:  
**Impexmetal S.A. Aluminium Konin ul. Hutnicza 1, 62-510 Konin**
  4. System or systems of assessment and verification of constancy of performance:  
**System 2+**
  5. Harmonised standard:  
**EN 15088:2005**
- Notified body/ies:  
**Zakłady Badań i Atestacji „ZETOM” im. prof. F. Stauba w Katowicach sp. z o.o.,  
No. 1436-CPR-0032**
6. Declared performance: Sheet, plate and strip aluminium alloy EN AW-1050A cold rolled

Essential characteristics	Performance	Harmonised technical specification																																																																																																				
Dimensional tolerances IDT EN 485-4:1993	<p>Thickness tolerances</p> <table border="1" data-bbox="379 958 1203 1554"> <thead> <tr> <th colspan="2" data-bbox="379 958 651 1003" rowspan="2">Specified thickness [mm]</th> <th colspan="4" data-bbox="651 958 1203 1003">Thickness tolerances [mm]</th> </tr> <tr> <th data-bbox="651 1003 788 1122">Up to and including 1000mm</th> <th data-bbox="788 1003 925 1122">Over 1000mm up to and including 1250mm</th> <th data-bbox="925 1003 1062 1122">Over 1250mm up to and including 1600mm</th> <th data-bbox="1062 1003 1203 1122">Over 1600mm up to and including 2000mm</th> </tr> <tr> <th data-bbox="379 1122 517 1167">over</th> <th data-bbox="517 1122 651 1167">Up to and including</th> <th data-bbox="651 1122 788 1167">mm</th> <th data-bbox="788 1122 925 1167">mm</th> <th data-bbox="925 1122 1062 1167">mm</th> <th data-bbox="1062 1122 1203 1167">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 data-bbox="421 1532 1161 1554">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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Essential characteristics	Performance										Harmonised technical specification
Dimensional tolerances IDT EN 485-4:1993	Width tolerances for sheet and plate										EN 15088:2005
	Specified thickness [mm]		Width tolerance for specified width [mm]								
	Over	Up to and including	Up to and including 500mm	Over 500mm up to and including 1250mm	Over 1250mm up to and including 2000mm						
	0,20	3,0	+1,5 0	+3 0	+4 0						
3,0	6,0	+3 0	+4 0	+5 0							
6,0	20	+4 0	+5 0	+5 0							
Length tolerances for sheet and plate											
Specified thickness [mm]		Length tolerance for specified length [mm]									
Over	Up to and including	Up to and including 1000mm	Over 1000mm up to and including 2000mm	Over 2000mm up to and including 3000mm	Over 3000mm up to and including 4000mm	Over 5000mm					
0,20	3,0	+3 0	+4 0	+6 0	+8 0	+0,2% of specified length					
3,0	6,0	+4 0	+6 0	+8 0	+10 0						
6,0	20	+6 0	+8 0	+10 0	+10 0						
Width tolerances for strip											
Specified thickness [mm]		Width tolerance for specified width [mm]									
Over	Up to and including	Up to and including 100mm	Over 100mm up to and including 300mm	Over 300mm up to and including 500mm	Over 500mm up to and including 1250mm	Over 1250mm up to and including 1650mm					
0,20	0,6	+0,3 0	+0,4 0	+0,6 0	+1,5 0	+2,5 0					
0,6	1,0	+0,3 0	+0,5 0	+1 0	+1,5 0	+2,5 0					
1,0	2,0	+0,4 0	+0,7 0	+1,2 0	+2 0	+2,5 0					
2,0	3,0	+1 0	+1 0	+1,5 0	+2 0	+2,5 0					
3,0	5,0	-	+1,5 0	+2 0	+3 0	+3 0					
Mechanical properties IDT EN 485-2:2008	Temper	Specified thickness		Tensile strength R <sub>m</sub>		Yield strength R <sub>p0,2</sub>		Elongation A <sub>50</sub> mm		Bend radiusa	
		[mm]		[MPa]		[MPa]		[%]			
	Over		Up to and including	min	max	min	max	min	max	180°	90°
	O	0,2	0,5	65	95	20		20		0t	0t
		0,5	1,5	65	95	20		22		0t	0t
		1,5	3,0	65	95	20		26		0t	0t
		3,0	6,0	65	95	20		29		0,5t	0,5t
		6,0	12,5	65	95	20		35		1,0t	1,0t
	H111	0,2	0,5	65	95	20		20		0t	0t
		0,5	1,5	65	95	20		22		0t	0t
		1,5	3,0	65	95	20		26		0t	0t
	3,0	6,0	65	95	20		29		0,5t	0,5t	
	6,0	12,5	65	95	20		35		1,0t	1,0t	
	12,5	20,0	65	95	20		32				





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<tr> <td rowspan="3">H16</td> <td>0,2</td> <td>0,5</td> <td>120</td> <td>160</td> <td>100</td> <td></td> <td>1</td> <td></td> <td></td> <td>0,5t</td> </tr> <tr> <td>0,5</td> <td>1,5</td> <td>120</td> <td>160</td> <td>100</td> <td></td> <td>2</td> <td></td> <td></td> <td>1,0t</td> </tr> <tr> <td>1,5</td> <td>4,0</td> <td>120</td> <td>160</td> <td>100</td> <td></td> <td>3</td> <td></td> <td></td> <td>1,5t</td> </tr> <tr> <td rowspan="3">H18</td> <td>0,2</td> <td>0,5</td> <td>135</td> <td></td> <td>120</td> <td></td> <td>1</td> <td></td> <td></td> <td>1,0t</td> </tr> <tr> <td>0,5</td> <td>1,5</td> <td>140</td> <td></td> <td>120</td> <td></td> <td>2</td> <td></td> <td></td> <td>2,0t</td> </tr> <tr> <td>1,5</td> <td>3,0</td> <td>140</td> <td></td> <td>120</td> <td></td> <td>2</td> <td></td> <td></td> <td>3,0t</td> </tr> <tr> <td rowspan="3">H19</td> <td>0,2</td> <td>0,5</td> <td>155</td> <td></td> <td>140</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0,5</td> 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including	min	max	min	max	min	max			H12	0,2	0,5	85	125	65		2		0,5t	0t	0,5	1,5	85	125	65		4		0,5t	0t	1,5	3,0	85	125	65		5		0,5t	0,5t	3,0	6,0	85	125	65		7		1,0t	1,0t	6,0	12,5	85	125	65		9	9	1,0t	2,0t	H14	0,2	0,5	105	145	85		2		1,0t	0t	0,5	1,5	105	145	85		2		1,0t	0,5t	1,5	3,0	105	145	85		4		1,0t	1,0t	3,0	6,0	105	145	85		5			1,5t	6,0	12,5	105	145	85		6	6		2,5t	H16	0,2	0,5	120	160	100		1			0,5t	0,5	1,5	120	160	100		2			1,0t	1,5	4,0	120	160	100		3			1,5t	H18	0,2	0,5	135		120		1			1,0t	0,5	1,5	140		120		2			2,0t	1,5	3,0	140		120		2			3,0t	H19	0,2	0,5	155		140		1				0,5	1,5	150		130		1				1,5	3,0	150		130		1				H22	0,2	0,5	85	125	55		4		0,5t	0t	0,5	1,5	85	125	55		5		0,5t	0t	1,5	3,0	85	125	55		6		0,5t	0,5t	3,0	6,0	85	125	55		11		1,0t	1,0t	6,0	12,5	85	125	55		12		1,0t	2,0t	H24	0,2	0,5	105	145	75		3		1,0t	0t	0,5	1,5	105	145	75		4		1,0t	0,5t	1,5	3,0	105	145	75		5		1,0t	1,0t	3,0	6,0	105	145	75		8		1,5t	1,5t	6,0	12,5	105	145	75		8			2,5t	H26	0,2	0,5	120	160	90		2			0,5t	0,5	1,5	120	160	90		3			1,0t	1,5	4,0	120	160	90		4			1,5t	H28	0,2	0,5	140		110		2			1,0t	0,5	1,5	140		110		2			2,0t	1,5	3,0	140		110		3			3,0t	EN 15088:2005
Temper	Specified thickness		Tensile strength Rm		Yield strength Rp0,2		Elongation A50 mm		Bend radiusa																																																																																																																																																																																																																																																																																																																																																																																																								
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Essential characteristics	Performance	Harmonised technical specification
Fatigue strength	NPD	EN 15088:2005
Dangerous substances IDT EN 573-3:2009	No	
Durability rating IDT EN 1999-1-1:2007 + A1:2009	Class A	

10. 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:

Robert Jeżak  
w Konin dnia 16 lutego 2015r

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