



DECLARATION OF PERFORMANCE

No. 16/2015

1. Unique identification code of the product-type:
Aluminium_Konin_5754
 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-5754 cold rolled

Essential characteristics	Performance	Harmonised technical specification																																																																																																				
Dimensional tolerances IDT EN 485-4:1993	Thickness tolerances <table border="1" data-bbox="379 965 1203 1554"> <thead> <tr> <th colspan="2" data-bbox="379 965 655 1122" rowspan="2">Specified thickness [mm]</th> <th colspan="4" data-bbox="655 965 1203 999">Thickness tolerances [mm]</th> </tr> <tr> <th data-bbox="655 999 791 1122">Up to and including 1000mm</th> <th data-bbox="791 999 927 1122">Over 1000mm up to and including 1250mm</th> <th data-bbox="927 999 1062 1122">Over 1250mm up to and including 1600mm</th> <th data-bbox="1062 999 1203 1122">Over 1600mm up to and including 2000mm</th> </tr> <tr> <th data-bbox="379 1122 515 1167">over</th> <th data-bbox="515 1122 655 1167">Up to and including</th> <th data-bbox="655 1122 791 1167">mm</th> <th data-bbox="791 1122 927 1167">mm</th> <th data-bbox="927 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>±0,03</td><td>±0,05</td><td>±0,06</td><td>-</td></tr> <tr><td>0,4</td><td>0,5</td><td>±0,03</td><td>±0,05</td><td>±0,06</td><td>±0,07</td></tr> <tr><td>0,5</td><td>0,6</td><td>±0,04</td><td>±0,06</td><td>±0,07</td><td>±0,08</td></tr> <tr><td>0,6</td><td>0,8</td><td>±0,04</td><td>±0,07</td><td>±0,08</td><td>±0,09</td></tr> <tr><td>0,8</td><td>1,0</td><td>±0,05</td><td>±0,08</td><td>±0,09</td><td>±0,10</td></tr> <tr><td>1,0</td><td>1,2</td><td>±0,05</td><td>±0,09</td><td>±0,10</td><td>±0,12</td></tr> <tr><td>1,2</td><td>1,5</td><td>±0,07</td><td>±0,11</td><td>±0,12</td><td>±0,14</td></tr> <tr><td>1,5</td><td>1,8</td><td>±0,08</td><td>±0,12</td><td>±0,13</td><td>±0,15</td></tr> <tr><td>1,8</td><td>2</td><td>±0,09</td><td>±0,13</td><td>±0,14</td><td>±0,16</td></tr> <tr><td>2</td><td>2,5</td><td>±0,10</td><td>±0,14</td><td>±0,15</td><td>±0,17</td></tr> <tr><td>2,5</td><td>3,0</td><td>±0,11</td><td>±0,15</td><td>±0,17</td><td>±0,19</td></tr> <tr><td>3,0</td><td>3,5</td><td>±0,12</td><td>±0,17</td><td>±0,19</td><td>±0,20</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="424 1536 1158 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	±0,03	±0,05	±0,06	-	0,4	0,5	±0,03	±0,05	±0,06	±0,07	0,5	0,6	±0,04	±0,06	±0,07	±0,08	0,6	0,8	±0,04	±0,07	±0,08	±0,09	0,8	1,0	±0,05	±0,08	±0,09	±0,10	1,0	1,2	±0,05	±0,09	±0,10	±0,12	1,2	1,5	±0,07	±0,11	±0,12	±0,14	1,5	1,8	±0,08	±0,12	±0,13	±0,15	1,8	2	±0,09	±0,13	±0,14	±0,16	2	2,5	±0,10	±0,14	±0,15	±0,17	2,5	3,0	±0,11	±0,15	±0,17	±0,19	3,0	3,5	±0,12	±0,17	±0,19	±0,20	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 _m		Yield strength R _{p0,2}		Elongation A _{50 mm}		Bend radius _a	
		[mm]		[MPa]		[MPa]		[%]		180°	90°
		Over	Up to and including	min	max	min	max	min	max		
	O	0,2	0,5	190	240	80		12		0,5t	0t
		0,5	1,5	190	240	80		14		0,5 t	0,5t
		1,5	3,0	190	240	80		16		1,0 t	1,0t
		3,0	6,0	190	240	80		18		1,0 t	1,0t
		6,0	12,5	190	240	80		18		1,0 t	2,0t
		12,5	20,0	190	240	80					
	H111	0,2	0,5	190	240	80		12		0,5 t	0t
		0,5	1,5	190	240	80		14		0,5 t	0,5t
	1,5	3,0	190	240	80		16		1,0 t	1,0t	
	3,0	6,0	190	240	80		18		1,0 t	1,0t	
	6,0	12,5	190	240	80		18		1,0 t	2,0t	
	12,5	20,0	190	240	80						
H12	0,2	0,5	220	270	170		4				
	0,5	1,5	220	270	170		5				
	1,5	3,0	220	270	170		6				
	3,0	6,0	220	270	170		7				
	6,0	12,5	220	270	170		9				



Essential characteristics	Performance										Harmonised technical specification		
Mechanical properties IDT EN 485-2:2008	Temper	Specified thickness		Tensile strength Rm		Yield strength Rp0,2		Elongation A50 mm		Bend radiusa		EN 15088:2005	
		[mm]		[MPa]		[MPa]		[%]					
	Over	Up to and including	min	max	min	max	min	max	180°	90°			
	H12	12,5	20,0	220	270	170							
	H14	0,2	0,5	240	280	190		3					
		0,5	1,5	240	280	190		3					
		1,5	3,0	240	280	190		4					
		3,0	6,0	240	280	190		4					
		6,0	12,5	240	280	190		5					
		12,5	20,0	240	280	190							
	H16	0,2	0,5	265	305	220		2					
		0,5	1,5	265	305	220		3					
		1,5	3,0	265	305	220		3					
		3,0	6,0	265	305	220		3					
	H18	0,2	0,5	290		250		1					
		0,5	1,5	290		250		2					
		1,5	3,0	290		250		2					
H22	0,2	0,5	220	270	130		7		1,5 t	0,5t			
	0,5	1,5	220	270	130		8		1,5 t	1,0t			
	1,5	3,0	220	270	130		10		2,0 t	1,5t			
	3,0	6,0	220	270	130		11			1,5t			
	6,0	12,5	220	270	130		10			2,5t			
	12,5	20,0	220	270	130								
H32	0,2	0,5	220	270	130		7		1,5 t	0,5t			
	0,5	1,5	220	270	130		8		1,5 t	1,0t			
	1,5	3,0	220	270	130		10		2,0 t	1,5t			
	3,0	6,0	220	270	130		11			1,5t			
	6,0	12,5	220	270	130		10			2,5t			
	12,5	20,0	220	270	130								
H24	0,2	0,5	240	280	160		6		2,5 t	1,0t			
	0,5	1,5	240	280	160		6		2,5 t	1,5t			
	1,5	3,0	240	280	160		7		2,5 t	2,0t			
	3,0	6,0	240	280	160		8			2,5t			
	6,0	12,5	240	280	160		10			3,0t			
	12,5	20,0	240	280	160								
H34	0,2	0,5	240	280	160		6		2,5 t	1,0t			
	0,5	1,5	240	280	160		6		2,5 t	1,5t			
	1,5	3,0	240	280	160		7		2,5 t	2,0t			
	3,0												



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