

**DECLARATION OF PERFORMANCE**

No. 14/2021

1. Unique identification code of the product-type:

**Gränges\_Konin\_4017**

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 EN AW-4017 cold rolled

Essential characteristics	Performance	Harmonised technical specification																																																																																																	
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<small>When measuring the thickness, a zone 10mm wide from the edges of the product shall be disregarded.</small>																																																																																																			

Essential characteristics	Performance							Harmonised technical specification			
Dimensional tolerances IDT EN 485-4	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	+0,2% of specified length				
0,20	3,0	+3 0	+4 0	+6 0	+8 0						
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 according to Internal documentation	Temper	Specified thickness		Tensile strength R <sub>m</sub>		Yield strength R <sub>p0,2</sub>		Elongation A <sub>50 mm</sub>			
		[mm]		[MPa]		[MPa]		[%]			
	Over	Up to and including	min	max	min	max	min	max			
	O	0,2 25	100	145	35		10				
	H12	0,2 25	120	160	90		4				
	H14	0,2 25	150	190	120		2				
	H16	0,2 25	180	220	140		1				
	H18	0,2 25	200		170		1				
H26	0,2 25	180	220	120		1					

Essential characteristics	Performance	Harmonised technical specification
Weldability IDT EN 1999-1-1	NPD	EN 15088:2005
Bendability	NPD	
Fatigue strength	NPD	
Dangerous substances IDT EN 573-3	NO	
Durability rating IDT EN 1999-1-1	NPD	

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

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**Paweł Rutecki**