

			RESEARCH AND DEVELOPMENT DEPARTMENT
Date: 03.08.2022	L.dz.	Rejestr:	Data sheet for aluminium alloy 5052 - pattern stucco

1. CHEMICAL COMPOSITION for aluminium alloy 5052 according to EN 573-3 or arrangements.

CHEMICAL COMPOSITION according to EN 573-3										
Alloy	%								others	
	Si	Fe	Cu	Mn	Mg	Cr	Ti	Zn	each	total
5052	Min	-	-	-	-	2,2	0,15	-	-	-
	Max	0,25	0,40	0,10	0,10	2,8	0,35	0,10	0,05	0,15

2. MECHANICAL PROPERTIES:
according to EN 485-2 Aluminium and aluminium alloys – Sheet, strip and plate – Mechanical properties

3. DIMENSIONS AND TOLERANCES:

3.1 Strips:

Alloy	Temper	Thickness range [mm]	Width [mm]	Outside diameter
5052	H144, H224, H244	0,40 - 0,60	100-1500	406mm; 500mm (with or without carton spools)
		0,61 - 0,80		500mm (without carton spools) *as of width 500mm possibility carton spools.
	H144, H224, H244	0,81 - 1,00	100-1250	

1)Outside diameter is depends on width of strips

3.2 Sheets:

Width tolerances for strips:

Specified thickness [mm]		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 1500mm
Over	Up to and including				
0,4	0,6	+0,4 / -0	+0,6 / -0	+1,5 / -0	+2,5 / -0
0,6	1,0	+0,5 / -0	+1 / -0	+1,5 / -0	+2,5 / -0

Width tolerances for sheets:

Specified thickness [mm]			
Over	Up to and including	Over 800mm up to and including 1250mm	Over 1250mm up to and including 1500mm
0,40	1,0	+ 3 / -0	+ 4 / -0

Length tolerances for sheets:

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 5000mm	Over 5000mm
0,40	1,0	+3 / -0	+4 / -0	+6 / -0	+8 / -0	+0,2% of specified length

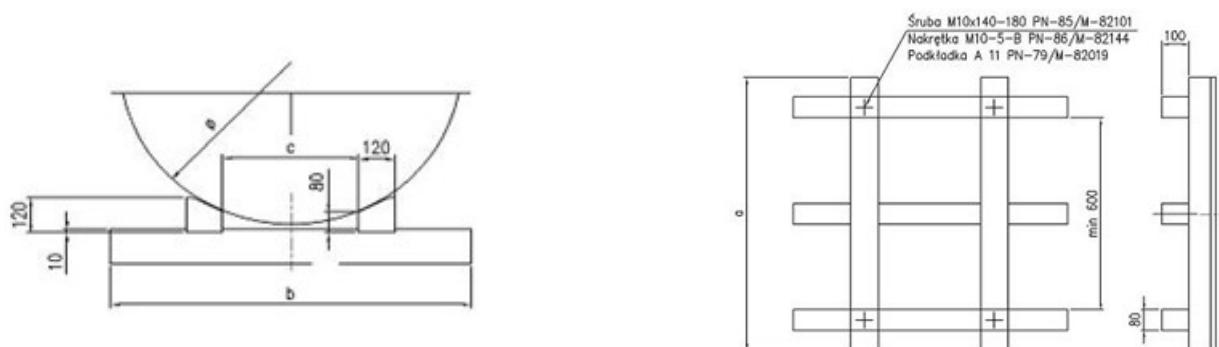
4. Model Stucco – according to sample A or B (see foto). Possibility of degreased surface (Test T-38)

* It is possible to produce material with other standard of degreased surface after previous agreement of technical requirements.



5. PACKAGING - Horizontal or vertical packing (eye to side or eye to sky)

5.1 Horizontal (eye to side)



Φ	800	850	900	950	1000	1050	1100	1150	1200
b	850	900	950	1000	1050	1100	1150	1200	1250

Φ	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
b	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
c	530			560			590			620		

For the dimension „a” > 1300 additional skid at the axis is required

5.2 Vertical (eye to sky)



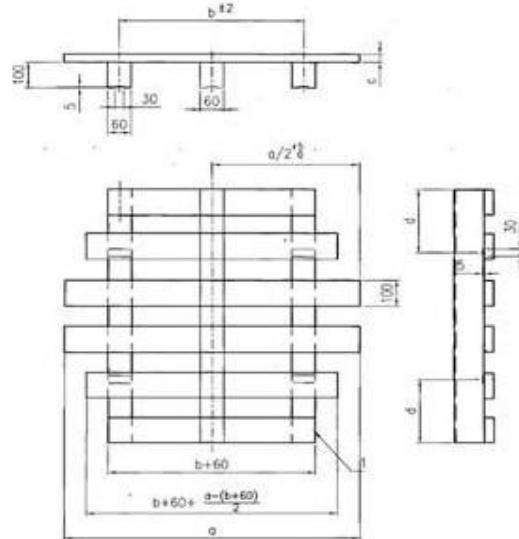
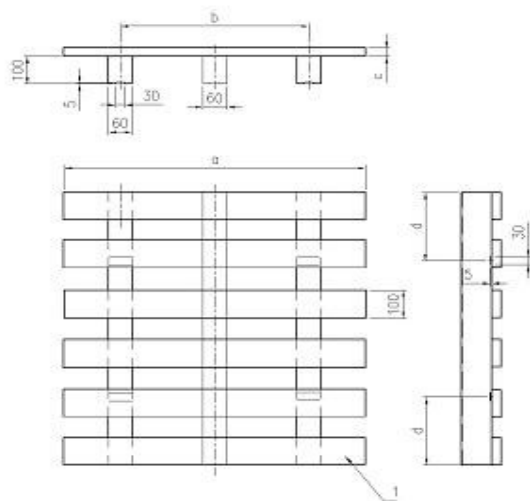
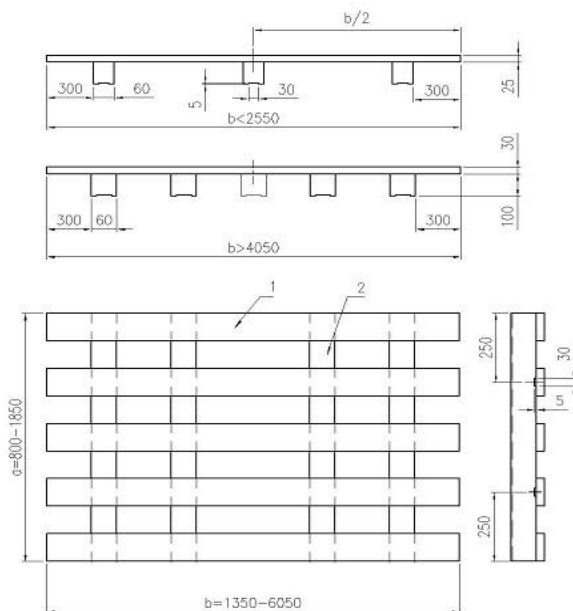


Fig. A	a	600-750	800-1000	1200-1300
	b	440	680	850
	c	25		30
	d	75	250	
	Element no. „1”	4	5	6
	Additional skid	No		

Fig. B	a	1050	1100-1300	1350-1750
	b	750	850	
	c	30		
	d	250		
	Element no. „1”	5		7
	Additional skid	No	Yes	Yes

5.3 Packaging of sheets



Width	Element no. „1” for „b”	
	1350 ÷ 4050	4100 ÷ 6050
800-1250	5	4
1300-1450	6	5
1500-1850	7	6

Length	Element no 2 [pcs]	Board dimensions
1350-3000	3	25x120
3050-3550	4	
3600-4050	5	
4100-4550	5	30x100
4600-5000	6	
5050-5500	7	
5550-6050	8	

Developed by Tomasz Brzoski Research and Development Specialist tomasz.brzoski@granges.com	Approved by Sebastian Woźniak; Research and Development Specialist sebastian.wozniaki@granges.com
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