

Compocel® Floor Aluris - Compocel® Floor Aluman

Panel's composition

ALUMINIUM SKINS

with anti-slippery coating from 2mm

ALUMINIUM HONEYCOMB CORE

(Alloy series 3000*) with hexagonal cells
Foil Thickness: 70 microns

ALUMINIUM SKINS

Raw aluminium from 1mm thickness



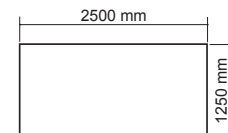
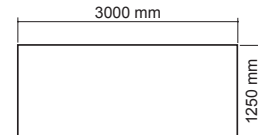
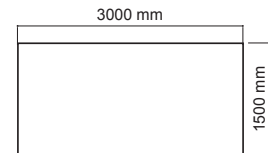
On request:

- Other thicknesses,
- Special alloys and coating and RAL colours.

* To Aluminium alloy series 3000 belong: Aluminium alloy 3003, Aluminium alloy 3005, Aluminium alloy 3103, Aluminium alloy 3104

EXAMPLE	Panel's weight Ø6 84kg/m ³ (Ø 1/4")				
		<ul style="list-style-type: none"> • Thickness' tolerance ± 0,3 mm • Dimension's tolerance ± 30 mm 			
	Total thickness mm	10	15	20	25
	SKINS' thickness mm	1 + 2			
	CORE'S thickness mm	7	12	17	22
Weight kg/m ²	9,5	9,9	10,3	10,7	

Standard dimensions
(other dimensions available on request)
Dimension tolerance ± 30mm




Honeycomb core properties		70 Microns			
Aluminum alloy series 3000*	3003/3005/3103/3104				
Ø honeycomb in mm	6	9	12	19	
Ø honeycomb in inches	1/4"	3/8"	1/2"	3/4"	
Density Kg/m ³	80 - 83	54	40 - 42	27 - 29	
Compressive stabilised strength MPa	4,3 - 4,6	2,5 - 2,6	1,41 - 1,5	0,85 - 0,9	

* To Aluminium alloy series 3000 belong: Aluminium alloy 3003, Aluminium alloy 3005, Aluminium alloy 3103, Aluminium alloy 3104



Aluminium honeycomb

Certified version COMPOCEL FLOOR ALURIS - ALUMAN must be required while asking for a quotation.
Certified products must be required in advance and might have a price surcharge due to certified materials.

CLASSES FOR FIRE REACTION			
SHIPBUILDING	MED, IMO  0407	MOD. B. Certification Nr.: MED- 150 (IG-038-2014) REV.8 MOD. D. Certification Nr.: MED- 154 (IG-178-2014) REV.13	COMPOCEL AL FR - aluminum honeycomb panel complying with the MED directive for the application in ships registered or applied in the European Union. Item N. MED / 3.18a, IMO 2010 FTP Code, Annex 1
	 U.S. Coast Guard	MOD. B. USCG N. Approval Nr.: 164.112/0407 MOD. D. N. Approval: 164.112/0407/ MED000154 (for MED/3.18)	COMPOCEL AL FR Aluminium honeycomb sandwich panel
BUILDING COUNTERTOPS	UNI EN 13501-1	A2 s1 d0 COMPOCEL AL FR Classification, non-combustible Class Certification Nr. 322406/8949/CPR, 369385/13094/CPR COMPOCEL AL FLOOR, ALURIS, ALUMAN Class certification n. 370429	COMPOCEL AL FR, FLOOR, ALURIS, ALUMAN Aluminium honeycomb panel A2 – Incombustible s1 – Smoke emission and quantity absent d0 – no dripping
BUILDING VENTILATED FACADES	UNI EN 13501-1	A2 s1 d0 Classification, non-combustible Class Certification Nr. 361288	COMPOCEL AL FR Aluminium honeycomb panel only 20mm A2 – Incombustible s1 – Smoke emission and quantity absent d0 – no dripping
BUILDING FLOORS	UNI EN 13501-1	A2fl s1 d0 COMPOCEL AL FR Classification, non-combustible Class Certification Nr. 322406/8949/CPR, 369385/13094/CPR COMPOCEL AL FLOOR, ALURIS, ALUMAN Class certification n. 370493	COMPOCEL AL FR, FLOOR, ALURIS, ALUMAN Aluminium honeycomb panel A2 – Incombustible s1 – Smoke emission and quantity absent d0 – no dripping
BUILDING	UNI EN 13501-1	B s1 d0 Classification, low flame spread Class Certification Nr IN-02513/2017-E	COMPOCEL AL FR Aluminium honeycomb panel B – Low flame spread s1 – Smoke emission and quantity absent d0 – no dripping
BUILDING FLOORS	UNI EN 13501-1	Bfl s1 d0 COMPOCEL AL FR Classification, low flame spread Class Certification Nr. 354617 COMPOCEL AL FLOOR, ALURIS, ALUMAN Class certification n. 368596	COMPOCEL AL FR, FLOOR, ALURIS, ALUMAN Aluminium honeycomb panel Bfl - low flame spread s1 – Smoke emission and quantity absent d0 – no dripping
RAILWAY VEHICLES	UNI EN 45545	HL3(HAZARD LEVEL) Class certification n. 347927, 353207, 347921, 353209	COMPOCEL AL FR Aluminium honeycomb panel Meets requirements for applications: R2 , suspended ceilings, countertop R1 , partitions R10 , floors, floors, floor