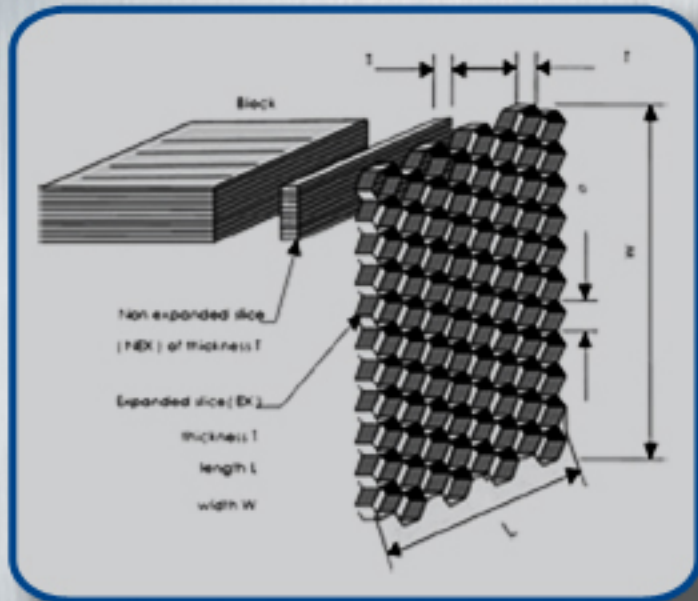




aluNID[®]



ALUMINIUM HONEYCOMB

As a core material in sandwich panels, its properties are:

*Light
Incombustible
Recyclable*

*Electrical and thermal conductor
Excellent flatness*

Resistant and strong in compression and shear

aluNID[®] is sold in 3 shapes:

- Block
- Expanded sheets (EX)
- Unexpanded slices (NEX)

Alloy: 3003

Foil thickness: 50 and 70 microns

Cell size: 1/4", 3/8", 1/2", 3/4" (from Ø6 to Ø19 mm)

Standard dimensions: 1250 x 2500 mm and 1500 x 3000 mm

(other dimensions available upon customer specific request)

Thickness of slice: from 5 to 980 mm (tolerance +/- 0,1 mm)

(Microperforation optional)



Alucoat[®]

TECHNICAL DATA SHEET

When ordering, the product is defined as follow :

ALUNID - 3000 - \varnothing 1/4'' - 56 - L1500- W3000- P - T10- B - EX
1 2 3 4 5 6 7 8

- 1: Serial 3000 alloy aluminum honeycomb**
- 2: Cell size 1/4 inch**
- 3: Density 56 Kg/m³**
- 4: Expanded dimensions Length 1500mm per Width 3000mm**
- 5: Perforated**
- 6: Thickness 10mm**
- 7: Cutting tolerance class B (+/- 0.1mm)**
- 8: Expanded**

ALUCOAT designation	Ø inch	Ø mm	Foil µm	Density kg/m ³	Compressive Strength		Crush Strength Mpa	Plate Shear			
					plain Strength Mpa	Stabilised Strength Mpa		In L direction Strength Mpa		In W direction Strength Mpa	
					modulus Mpa	modulus Mpa	modulus Mpa	modulus Mpa			
ALUNID 3000	1/4	6,35	50	56	2.20	3.50	0.90	1.65	327	0.97	172
ALUNID 3000	3/8	9,52	50	40	1.20	1.95	0.50	1.10	214	0.64	107
ALUNID 3000	1/2	12,7	50	29	0,70	0.95	0.30	0.70	143	0.43	68
ALUNID 3000	3/4	19,1	50	20	0.35	0.60	0.15	0.40	90	0.28	40
ALUNID 3000	1/4	6,35	70	80	4.15	4.30	1.65	2.70	511	1.50	284
ALUNID 3000	3/8	9,52	70	54	2.00	2.60	0.85	1.60	312	0.95	163
ALUNID 3000	1/2	12,7	70	40	1.20	1.50	0.50	1.10	214	0.65	107
ALUNID 3000	3/4	19,1	70	27	0.60	0.85	0.25	0.65	131	0.40	61

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