



Technical Data Sheet

Foam Board (Foamiral)

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Whats is PVC FOAM Board (Foamiral) ?

Foamiral is %100 Waterproof Polymer Composite Board. Being formaldehyde and leads free, it is an economic long life green product that is completely healthy, safe and non-toxic.



This environmentally friendly foamex is also resistant to extreme weather conditions, chemicals, and termites. It is maintenance-free that will never rot, crack or warp, making it the perfect choice for any domestic, commercial or infrastructural settings.



Whats is PVC FOAM Board (Foamiral) ?

Foamiral is the new generation of green building boards, made from fine grade materials of high standards which gives a very smooth surface, and hardness, combined with matchless durability.

It can be painted, processed, and easily installed, with excellent resistance to moisture and corrosion.



FEATURES of

Foamiral PVC Foam Board



ECO-FRIENDLY



WATER-PROOF



ANTI-BACTERIAL & FUNGAL



EASY INSTALLATION



EASY TO SAW & CUT



LIFETIME WARRANTY-HUMIDITY



TERMITE & PEST PROOF



MULTIPLE APPLICATIONS



EASY FOR LAMINATION



BEST FOR OUTDOORS

FEATURES of

Foamiral PVC Foam Board



ANTI-CHEMICALS



NO SHRINKAGE & SWELLING



FIRE RETARDANT



SMOOTH SURFACE



CORROSION RESISTANT



NON-TOXIC



PAINTABLE



HIGH SCREW HOLDING



IMPACT RESISTANCE



MAINTENANCE FREE

Why PVC FOAM Board (Foamiral) ?

Foamiral is extremely durable and perfect for thermal and sound insulation. Additionally, it offers a wide range of thermal resistance from -15 to 80 °C.

Foamiral can be worked with just like wood, meaning it can be cut, planed, nailed, screwed, and glued; it is also ideal for heat bonding, plastic welding, and similar processes. Moreover, it can be engraved, embossed, painted, printed, and laminated.



Why PVC FOAM Board (Foamiral) ?

Foamiral is a non-flammable product that self-extinguishes. This modern panel material meets international standards, making it an excellent alternative to traditional and fiber wood, as well as aluminum and other composite materials.



Foamiral VS. Others

	Foamiral	MDF	POLYWOOD
1. FIRE RETARDANT	✓	✗	✗
2. ANTI-MONTH, TERMITE & PEST	✓	✗	✗
3. WATER & MOISTURE PROOF	✓	✗	✗
4. NO SHRINKING & NOR SWELLING	✓	✗	✗
5. CORROSION RESISTANT	✓	✗	✗
6. MAINTENANCE FREE	✓	✗	✗
7. ENVIRONMENTALLY FRIENDLY	✓	✗	✗
8. OUTDOOR ADAPTABILITY	✓	✗	✗
9. HIGH SCREW & NAIL HOLDING	✓	✗	✓
10. RECYCLABLE	✓	✗	✗
11. ZERO WASTAGE	✓	✗	✗
12. ANTI-ACID & ANTI-ALKALINE	✓	✗	✗
13. CYCLE USE TIMES FOR CONSTRUCTION	≥ 25	1	4 - 6

Foamiral VS. Others

	TEST	UNIT	VALUE
DENSITY	IN HOUSE	gm/cm ³	0.7-0.5
HARDNESS	ISO 868	Shore D	2 ₊ 75
WATER ABSORPTION	ASTM D 570	%	≤ 0.4
TENSILE STRENGTH	ASTM D 638	MPa	≥ 17
ELONGATION AT BREAK	ASTM D 638	%	≥ 17
CHARPY IMPACT STRENGTH	ASTM D 256	J/m	29
IZOD IMPACT STRENGTH	ASTM D 258	KJ/M ²	≥ 10
DIELECTRIC STRENGTH	ASTM D 257	Ω x cm	≤ 10 ¹²
VICAT SOFTENING TEMPERATURE	ASTM D 648	°C	≥ 80
COEFFICIENT OF LINEAR EXPANSION	ASTM D 1525	cm/cm°C ²	06-07
THERMAL CONDUCTIVITY	DIN 52616	W/mk	0.5-0.07

TECHNICAL PROPERTIES

TECHNICAL PROPERTIES	LENGTH, WIDTH, $\pm 1\%$, THICKNESS $\pm 1\text{MM}$
BENDING MAX LOAD (N)	> 3500
MODULUS OF ELASTICITY (MPA)	> 1200
VICAT SOFTENING TEMPERATURE $^{\circ}\text{C}$	>100
BENDING FLEXURAL STRENGTH	>12.5
ALKALI RESISTANCE	< 0.70% VISUAL SURFACE WILL NOT WRINKLE, BUBBLE OR CRACK
WATER RESISTANCE	HIGH WILL NOT BE AFFECTED BY WATER
WATER RETENTION RATE	WATER RETENTION <2%

size

WIDTH	122CM : 130CM
LENGTH	2440CM : 2800CM
THICKNESS	3 MM :22 MM