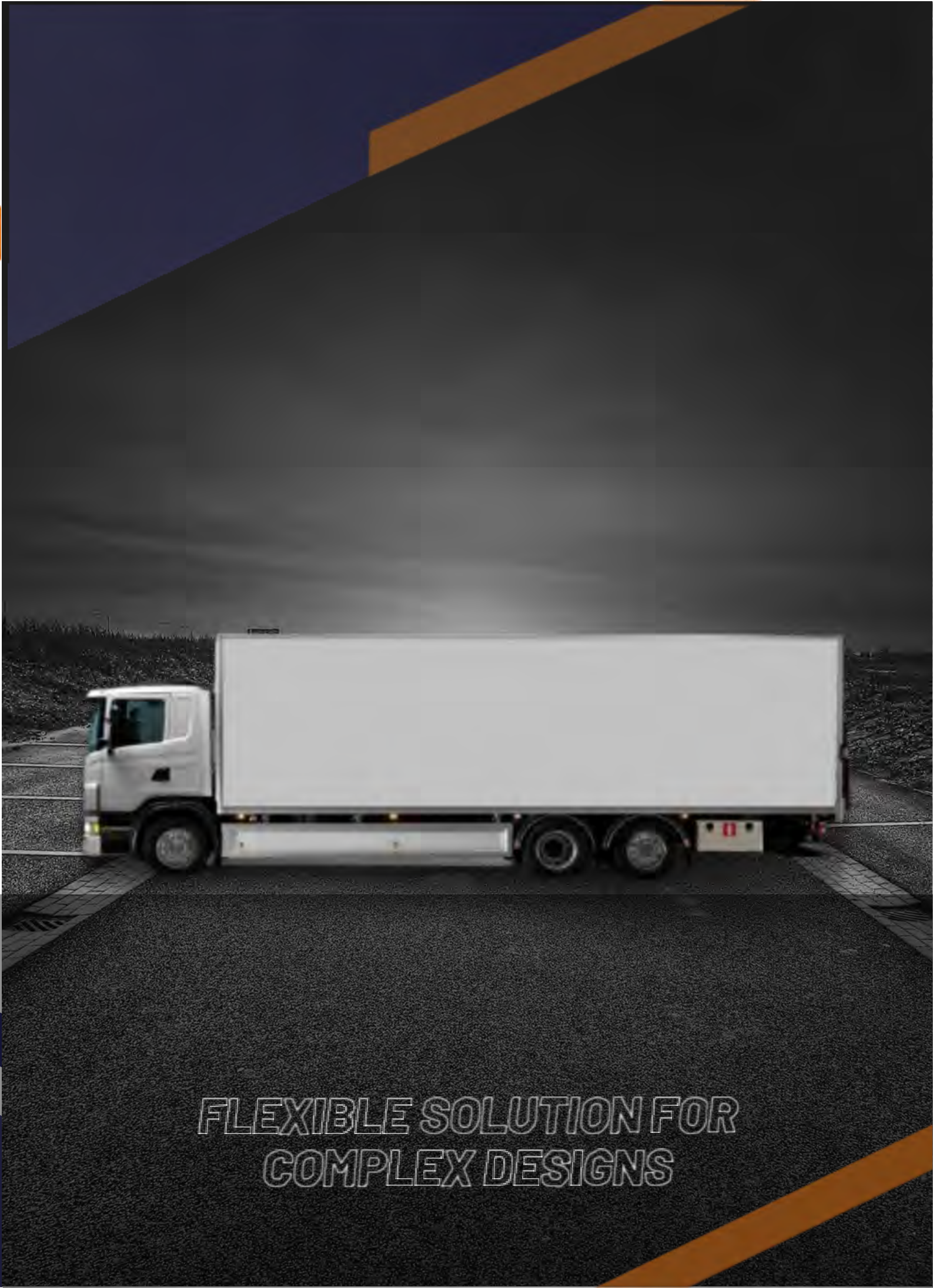


METAL COMPOSITE MATERIAL

Product of Alubond USA



FLEXIBLE SOLUTION FOR
COMPLEX DESIGNS

Alubond USA is a well-known manufacturing and distributing company which boasts a processing and manufacturing capacity of twenty five million square meters from its various facilities in Europe, UAE, Turkey, and India. The company is a trademark of American Building Technologies INC located in USA and the UAE, operated by the Eurocon Building Industries, a group company of Mulk International.

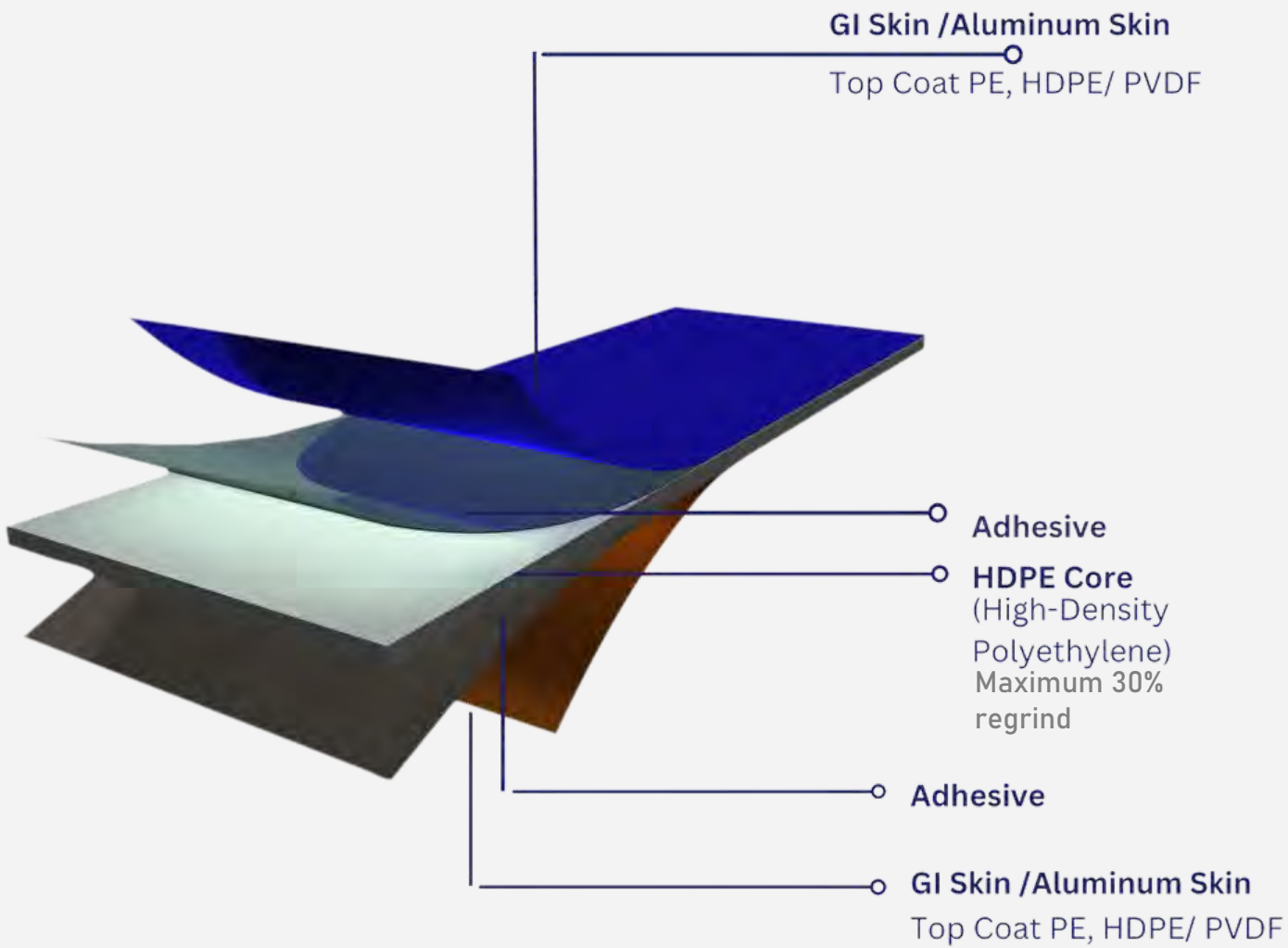
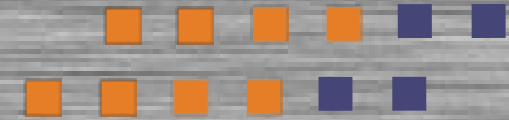
Alubond has earned its reputation by providing the finest range of Fire Retardant Metal composite materials, including solid Aluminum, A2 Mineral Core ACM, B Mineral Core ACM, and Exotic metals MCM. These materials are available with a range of metal skins, such as Galvanized Steel, Stainless Steel, Copper, Bronze, Titanium, as well as Fire retardant Mineral Core, polyolefins with maleic anhydride active polymer based adhesive films, and Color Coated coils. Although Alubond's products are already top-notch, the company continues to make progress and expand its reach worldwide to become the best.



METAL COMPOSITE MATERIAL PRODUCT ADVANTAGES

- **LIGHTWEIGHT**, yet extremely rigid and flat resulting in an economical option for high quality composite panels.
- **VERSATILITY** of our product has allowed innovation and progression into newer markets like railway, trailer, machine covers, etc.
- **WEATHER RESISTANCE** combined with high acoustics, Thermal and Fire Rated values.
- **EXTENSIVE CHOICE** of finishes including Solid, Metallic Colors.
- **HIGHLY MALLEABLE** gives flexibility of shapes making it a versatile panel to achieve complex design solutions.

METAL COMPOSITE PANEL



Basic Specifications

	Panel Thickness	Skin Thickness		Weight	
	mm	mm	in	kg/m2	lbs/ft2
Weight Reference (*Standard Product)	4	0.3/0.3	0.012/0.012	7.6424	1.56
	6	0.3/0.3	0.016/0.016	9.4724	1.94
	6	0.4/0.4	0.016/0.016	10.5835	2.16
	7.5	0.4/0.4	0.016/0.016	12.3335	2.52
	10	0.4/0.4	0.016/0.016	14.6328	2.99
	13	0.4/0.4	0.016/0.016	17.3828	3.55
	Length	≤ 6000 mm			
Width	≤ 1220 mm				
Paint System	PE/HDPE/PVDF				
Colors	Solid/Metallic				

Alubond MCM is a prestigious product of Alubond USA that is light and eco-friendly, applicable for a variety of transport and architectural projects. The panel's materials are extremely long-lasting and have high mechanical strength. The skin's anti-delamination is the primary feature that sets it apart from typical bonded or laminated panel solutions. Alubond MCM is engineered to withstand a wide temperature range and is offered in a range of panel sizes.

GCM (HDPE CORE)

Overall Thickness	Skin Thickness		Flexural Strength		Tensile Strength		Peel off Strength		Puncture Resistance		Areal Density	
Test Standard	Test Standard		ASTMD 790		ASTMD 638		ASTMD 903		ALB - 023			
mm	mm	in	Mpa	Psi	Mpa	Psi	N/mm	lbs/in	Kgs	Lbs	kg/m2	lbs/ft2
4	0.3/0.3	0.012/0.012	210.17	30484	108.48	15733.35	9	50	383	845	7.64	1.56
6	0.3/0.3	0.012/0.012	137.39	19928	65.95	9565.33	9	50	524	1156	9.47	1.94
6	0.4/0.4	0.016/0.016	232.19	33677	70.35	10204.17	9	50	619	1365	10.58	2.16
7.5	0.4/0.4	0.016/0.016	190.86	27683	53.90	7817.82	9	50	773	1705	12.33	2.52
10	0.4/0.4	0.016/0.016	100.05	14511	38.20	5541.02	9	50	884	1948	14.63	2.99
13	0.4/0.4	0.016/0.016	55.55	8056	23.73	3442.08	9	50	919	2025	17.38	3.55

Aluminum Composite Material (HDPE CORE)

Overall Thickness	Skin Thickness		Flexural Strength		Tensile Strength		Peel off Strength		Puncture Resistance		Areal Density	
Test Standard	Test Standard		ASTMD 790		ASTMD 638		ASTMD 903		ALB-023			
mm	mm	in	Mpa	Psi	Mpa	Psi	N/mm	Lbs/in	Kgs	Lbs	Kg/m2	Lbs/ft2
3	0.25/0.25	0.01/0.01	70.69	10253	28.927	4195	5	22.2	263	263	3.72	0.76
4	0.50/0.50	0.02/0.02	108	15664	49.621	7197	9	50	467	1030	5.65	1.16
6	0.50/0.50	0.02/0.02	192	27847	37.97	5507	9	50	557	1228	6.62	1.36
7.5	0.50/0.50	0.02/0.02	325	47137	30.466	4419	9	50	685	1510	8.92	1.83

ALUBOND APPLICATIONS



Bus





Trailers



Storage Containers



Truck Bodies



RV



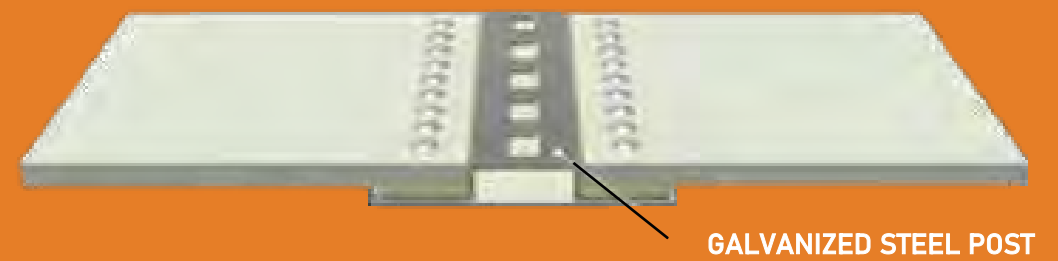
CARGO TRAILER

METAL COMPOSITE PANEL ASSEMBLY OPTIONS

Shiplap Joint



Riveted Joint





ALUBOND FACTORIES

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