

ARMORCORE®

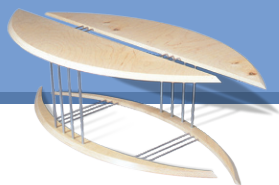
Lighter, tougher, flatter, harder and stronger are the key attributes of States' ArmorCore® substrates. For applications demanding superior performance ArmorCore® is just what you're looking for.

ArmorCore® combines the low weight and high strength advantages of veneer cored panels with the superior flatness and higher density of MDF.

ArmorCore®, another product developed and introduced by States, has become the industry standard.



ArmorCore® Superior Panel Substrate
for Cabinets and Furniture.





ARMORCORE®

Ingenuity, it's in everything we do.

States Industries ArmorCore® panels combine the low weight and high strength advantages of veneer cored panels with the superior flatness and higher density of Medium Density Fiberboard. ArmorCore panels are stiffer, lighter and stronger than composition panels of equivalent thickness, yet the MDF crossbands match the best composition surface characteristics.

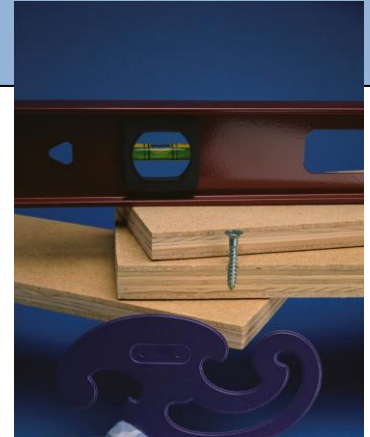
Critical Tolerances

Where tolerances tighter than the ANSI standard of +0 - 3/64" are required, such as in some automated machining operations, ArmorCore manufactured as a calibrated blank can achieve critical tolerances of +0 - 1/32".

Performance Specifications

	ArmorCore	45# Particleboard	48# MDF	7 Ply Veneer	Units
MOE	630,200	400,000	520,000	647,000	lb./in ²
MOR	4,922	2,400	5,200	3,750	lb./in ²
Screw holding, face	324	250	325	309	lbf.
Screw holding, edge	271	225	275	219	lbf.
Weight	2,656	2,969	3,203	1,916	¾" per MSF
Thickness tolerance	+0 - 3/64"	+/- .005	+/- .005	+0 - 3/64"	

Test conducted on samples with maple face and back. Wood has natural variations. Data is provided for comparison purposes and does not constitute a claim by States Industries that all panels will meet the values expressed.



MDF crossbands give ArmorCore the surface hardness, superior density and uniform texture of a composition panel.

Eliminates Telegraphing

ArmorCore's MDF crossbands minimize the telegraphing of core imperfections common to veneer cored panels.

Stiffness

Modulus of Elasticity is 50% higher than particleboard and 25% higher than MDF even though ArmorCore weighs significantly less.

Improved Machinability

ArmorCore has excellent machinability, so router cuts leave crisp clean edges. Because only the surface is MDF, wear on machine tools is significantly reduced.

Superior Surface

MDF crossbands give ArmorCore the surface hardness, superior density and uniform texture of a composition panel.

Environmental Characteristics

All States Industries panels, including ArmorCore comply with California Air Resources Board (CARB) 93120. ArmorCore panels may be specified with no added urea formaldehyde resins to comply with The US Green Building Council's LEED IEQ Credit 4.4: Low Emitting Materials – Composite Wood and Agrifiber Products. Panels prefinished with NOVA UV cured topcoats may also qualify for LEED Credit 4.2: Low Emitting Materials – Paints and Coatings. ArmorCore panels may also be specified as Forest Stewardship Council Certified and as such will contribute to LEED MR Credit 7: Certified Wood.



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Responsible forestry