



AIRPLY™

ULTRA LIGHT CORE



The ultra light, rigid substrate that's woodworking
machinable and meets industry standards for
strength and screw holding power.



How it's made

AIRPLY is available in six standard sizes and unlimited custom specifications. All are made with matching faces that are bonded to a center layer of polystyrene foam.



Face Layer

- + The top and bottom faces consist of a matching material of the same type and the same thickness, providing a balanced, finished substrate. All versions of AIRPLY use either HDF or MDF for their face materials.

Center Layer

- + The extruded foam at the heart of AIRPLY provides a weight reduction of up to 76% while still providing the structural strength required for your application.

Adhesive

- + The layers of AIRPLY are bonded using a proprietary lamination process that adhere the face and center materials together with a nearly unbreakable bond.



Applications

Endless possibilities



Worksurfaces

Reduce installation damage and save on shipping costs by making your laminated parts with AIRPLY™ ultra light core.



Table Tops

Restaurant tables can be moved and repositioned in real-time. Take the strain off your staff without sacrificing strength and durability.

Cabinet Doors

Cabinets are heavy and shipping can be costly. You can cut those costs down and eliminate hinge adjustments from door weight pressure.



Markerboards

AIRPLY provides the best balance of mobility and strength for markerboards, especially those that travel around the office.



Floating Shelves

Achieve a clean, modern look in your next shelving system with much lower required wall strength and lighter hardware.



Signage

Use AIRPLY in your interior or weather protected exterior applications where size and weight are critical to your solution.

Sliding Doors & Partitions

Bond a nearly unlimited number of materials to AIRPLY and easily add them to sliding doors and partitions.



Custom Parts

Add AIRPLY to nearly any component part in your product line to save on weight and add design innovation.





Standard sizes

Always in stock

Total Thickness	Foam Thickness	Face Thickness	Face Material	Total Weight
3/4"	1/2"	1/8"	HDF	39 lbs
1"	3/4"	1/8"	HDF	41 lbs
1 1/8"	5/8"	1/4"	MDF	65 lbs
1 1/2"	1"	1/4"	MDF	71 lbs
2"	1 1/2"	1/4"	MDF	72 lbs
2"	1"	1/2"	MDF	127 lbs

Standard Sheet Size: 48" x 96"

Custom sizes available.

WORKING WITH



AIRPLY™

Machining

+

AIRPLY is machinable with common woodworking tools and can be sawed, edgebanded and routed similar to IPB and MDF.

Bonding

+

AIRPLY can be bonded to a wide variety of materials including; HPL, Plastics, Acrylics, Metals, Wood Veneers, Stones and more.

Hardware Attachment

+

AIRPLY can achieve the face screw holding power required for most applications using either standard screws or inserts.



ULTRA LIGHT

AIRPLY is up to **76%** lighter than standard MDF and IPB.



SCREW HOLDING POWER

From table legs to cabinet door hinges, AIRPLY stands up to the challenge.



STRONG & RIGID

Meets requirements for nearly every application IPB and MDF are used in.

Comparison

How it stacks up

48" x 96" x ¾" Substrates	Weight	Face Insert Hold	MOR
AIRPLY : ⅛" HDF Face	39 lbs	100 lbs	1,400 psi
IPB	95 lbs	225 lbs	1,800 psi
MDF	97 lbs	270 lbs	3,915 psi

48" x 96" x 2" Substrates	Weight	Face Insert Hold	MOR
AIRPLY : ¼" MDF Face	72 lbs	150 lbs	4,205 psi
IPB	257 lbs	270 lbs	2,393 psi
MDF	301 lbs	270 lbs	3,800 psi

Tech Specs

Take a closer look

AIRPLY™ Sizes	¾"	1"	1 ⅛"	1 ½"	2"	2"
Face Thickness	⅛"	⅛"	¼"	¼"	¼"	½"
Core Thickness	½"	¾"	⅝"	1"	1 ½"	1"
Core Fraction	⅛"	⅛"	¼"	¼"	¼"	½"
Weight	39 lbs	40 lbs	65 lbs	71 lbs	72 lbs	127 lbs
Face Insert Hold	100 lbs	100 lbs	150 lbs	150 lbs	150 lbs	200 lbs
Face Screw Hold	80 lbs	80 lbs	90 lbs	90 lbs	90 lbs	100 lbs
Modulus of Rupture	5,500 psi	5,500 psi	4,205 psi	4,205 psi	4,205 psi	3,915 psi
Modulus of Elasticity	140,000 psi	140,000 psi	550,000 psi	550,000 psi	550,000 psi	400,000 psi

Elevate your business

