



# AEROLAM Bubble Guard

An innovation in the world of boards. Made with patented European technology, this revolutionary board is suitable for endless applications.

AeroPro Pack- Packaging Solutions: AeroPro Pack boards are strong, durable, impact resistant, Light-weight, water proof and chemical resistant Packaging Boxes for various Light & Heavy Industrial Packaging purposes.

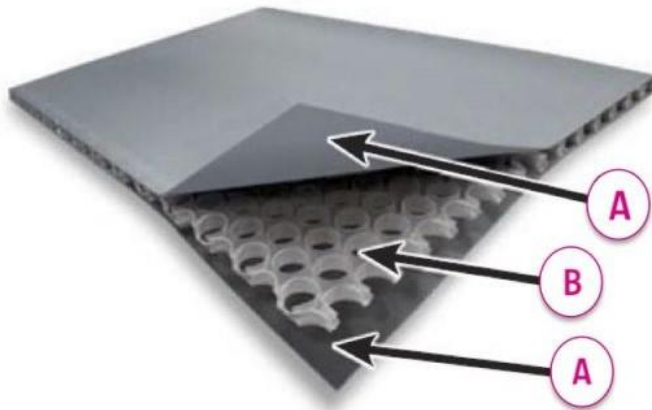
AeroPro Box - The Revolutionary Innovation in Logistics & Supply Chain Industry. Reduce your costs by reducing your Environmental Footprint.

# What is Bubble Guard Board?

AEROLAM Bubble Guard Board has triple layers of virgin polypropylene sheets with plain layers on either sides and a middle core layer having thermoformed bubbles. These bubbles are welded together with specialized technique to get a strong, rigid and composite structure which offers remarkable mechanical strength/properties.

The patented AEROLAM Bubble Guard structure is made from eco-friendly polypropylene, with a special air lock technology to provide high stiffness and rigidity with tri-directional strength and an excellent strength-to-weight ratio not seen in other industrial fabrication products.

## Our Sandwich Panel



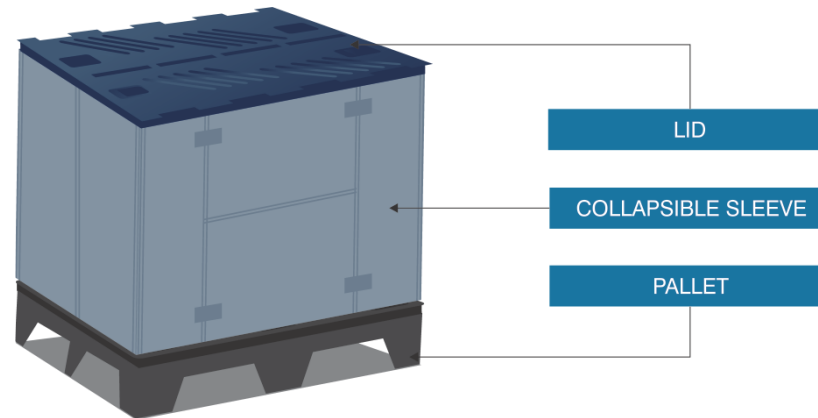
In the industrial process the honeycomb structure is the basis for **Sandwich Panel's** formation, where **A** are skins or faces and **B** the honeycomb core.

**A = Skins:** load distribution

**B = Core:** panel's bending stiffness

The Revolutionary Innovation in Logistics & Supply Chain Industry.  
Reduce your costs by reducing your Environmental Footprint.

This optimised AEROPRO BOX comprises of 3 parts - Lid, Pallet & Collapsible Sleeve. It also comprises of certain optional components like Positioning Locks, Windows & Partitions. The Anti-Skid Lid makes the AEROBOX an optimal solution for safe stacking during warehouse storage & transportation. The Lid & Pallet are designed in sync with 3 runner base, for stable stacking and compatibility with all standard lifts for easy handling.



**The Collapsible Sleeve**, made from Aerolam 3 ply PP Circular Bubble Honeycomb Board, offers a combination of rigidity, durability and reusability.

- **The Anti-Skid Lid** makes the AeroPro Box an optimal solution for safe stacking during warehouse storage & transportation.
- **The rack-able Pallet** allows the Sleeve to be racked during storage, allowing better space management. The Lid & Pallet are designed in sync with a 3 runner base, for stable stacking and compatibility with all standard forklifts for easy handling.
- **Positioning Locks** - A key component of the AeroPro Box is the unique and easy-to-use CamLock that has a one-push sliding system that allows quick & safe assembly & disassembly of the box. This innovative lock involves a snap-closing action that securely positions the sleeve walls to the pallet & lid, preventing inadvertent opening or displacement
- **Window** - This optional port allows the desired ease of access during loading and unloading of material. This no-gap closure with its special lock ensures that the interior remains dust-free during dry storage and transportation.
- **Partitions** - The optional partitions serve as cushions for horizontal and vertical segregation of goods, ensuring that there is no contact between materials, or damage to the goods. Honeycomb Tier Separators & Partitions function as high performing shock absorbers, especially during transportation. These interlocking panels can be portable, removable or permanently integrated, as desired.

# Benefits of AeroPro Box

**AEROPRO BOX** offers multiple benefits over conventional storage & transportation systems like paperboard boxes, wooden planks and plastic crates.

The Warehouse being the distribution hub, managing it can become expensive.

AEROPRO Boxes with optimized sizes can reduce to its minimum size to save up to **80%** volume during return transport .

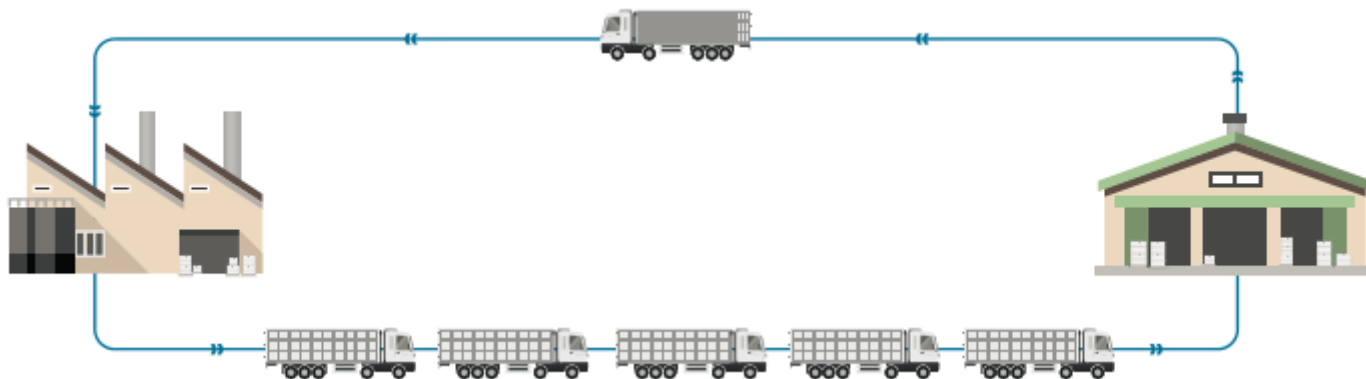
Hence, with AEROPRO Boxes, companies can reduce their costs and improve warehouse efficiency by maximizing space utilization.

**Aerobox XL** Making transportation and storage of agricultural products easy.



# Benefits of AeroPro Box

- The intelligent space-saving foldable & collapsible design provides 70% Freight Cost Reduction in Reverse Logistics and CO2 Emissions.
- Customizable Dimensions as per material handling dynamics ensure the most optimum usage of floor space and maximum carrying capacity
- Outstanding cost-performance ratio with consistent & high reusability.
- Excellent strength to weight ratio.
- Racking & stacking of variable height & size for increased warehouse space efficiency.
- Fumigation free, zero maintenance and export-friendly
- Non-Toxic and Chemically Inert.
- Foldable/Collapsible AEROPRO BOX significantly reduces storage costs.



# Highlights of AeroPro Box

- AeroPro Box comes with 4 Locks at Lid and 4 locks at Pallet.
- AeroPro Box is twin sheet Thermoformed.
- Pure virgin material is used to make sleeve, sleeve edges are sealed.
- Creasing and Folding is perfecting done on the best machine available in the industry.
- End to end conversion is done at plant, so we ensure best quality at our doorstep.
- Aero Pro Box Size:
  - ❖ 1200 x 800 x 900 mm H , 775 mm sleeve height, 3000 gsm
  - ❖ 1200 x 1000 x 1100 mm H, 975 mm sleeve height, 3000 gsm
  - ❖ Customized sleeve height possible from 610 mm to 1610 mm.

# Features of AeroPro Box

## PROTECTION FEATURES

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Permanent Protection  
from Dust,  
Dirt & Moisture



Fragile goods  
can be  
transported  
safely



Permanent protection of product from  
Scratches & Dents during transit

## HANDLING FEATURES

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Efficient, Fast &  
Ergonomic Assembly  
& Disassembly



No Manual  
Locks Required



Minimized Risk of  
any loose  
components



Intuitive and  
user friendly



# Usage & Application of AeroPro Box



AEROLAM Bubble Guard Board is made from patented 3 ply sandwiched structure with a unique circular honeycomb bubble core (provides cushioning) and multiple layers of flat polypropylene on either side, which are designed to provide Industrial Packaging Solutions for Material Handling, Storage and Transportation of your valued products.

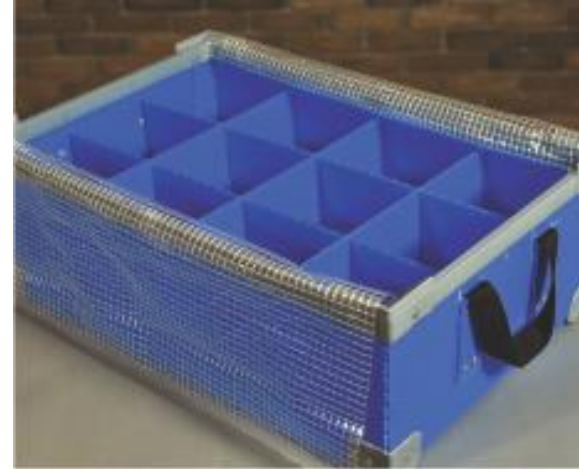
Bubble Guard are strong & rigid and can be easily die-cut, folded and glued (ultrasound or heat weld) to make different types of Packaging Boxes for multiple usage.

Special Treatments other than Corona such as ESD, VCI, antistatic, UV, flame or fire resistant can be achieved on AEROLAM Bubble Guard Print.

Unlike PP Corrugated Flute Sheets, AEROLAM Bubble Guard Print has an extremely flat surface, is clean, lightweight, cheap and completely recyclable material which resists moisture and a greasy environment. They are thus particularly convenient and suitable for packing of fragile products.

# AeroPro Pack Application Areas

- Storage Boxes, Banker Boxes, Storage Bins and Crates for Inter - Departmental Material Handlings
- Boxes for Pharmaceutical Kits, Instrument Kits, Tool Kits and Servicing Kits
- Returnable / Reusable Transit Boxes for Components, Parts, Sub-Assemblies, Semi-Finished Parts, Outsourced Parts, Packing Materials



# AeroPro Pack Application Areas

- Internal Partitions, Separators and Liners in Export Boxes & for Outer Packing Boxes
- Boxes for Fruits Packaging, FMCG Packaging, Electrical White Goods Packaging



# AeroPro Pack Application Areas

- Fabricated Pallets or Pallet Linings for Storage & Transit
- Foldable & Collapsible Boxes for Returnable Logistics
- Die – Punched Industrial Component and Automotive Component Boxes
- Export worthy Boxes with handle, locks and straps
- Internal Partitions & Separators in Export - Worthy Boxes



## KEY BENEFITS

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Strong, Rigid and Non-Abrasive



Fire Retardant & High Impact Resistance



100% Waterproof & 100% Recyclable



Scratch, Wear & Tear Resistant



Quick & Easy to Cut, Crease, Fold and Weld



High Salvage Value



Chemical Resistant (easy to clean and maintain)



High Load Carrying Capacity



Durable and Economical on a longer term



Reusable, low damage rate per trip



## PRODUCT INFO

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Available GSM:	300 - 6000 GSM
Available Sizes:	7' x 5' (custom sizes available with a defined MOQ)
Available Thickness:	2 mm - 18 mm
Available Colours:	White, Grey, Blue, Black (custom colours available with a defined MOQ)





**Hiten Modi**

Area Sales Manager | +91 9512011252

[hiten.m@aerolam.com](mailto:hiten.m@aerolam.com)

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BOX



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