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PACKAGING



# CUSHIONING SOLUTIONS

## SHOCK AND VIBRATION ABSORBING

FLEXIBILITY IS  
WHEN THE PACKAGING ADAPTS TO THE  
GOODS AND NOT THE OTHER WAY AROUND.

Protective package cushioning is the internal component of a corrugated box used to protect items during shipment. When the optimal solution is being used it can absorb shock and dampen vibration rather than transmitting these characteristics to the protected item. Vibration and impact shock during shipment and loading or unloading are controlled by cushioning to reduce the chance of product damage.

CONSIDER THIS WHEN SELECTING A CUSHIONING SOLUTION

- ▶ EFFECTIVE PROTECTION OF PRODUCT FROM SHOCK AND VIBRATION
- ▶ RESILIENCE (REPEAT IMPACTS)
- ▶ RESISTANCE TO “CREEP” (CUSHION DEFORMATION UNDER STATIC LOAD)
- ▶ EFFECTS OF TEMPERATURE, HUMIDITY AND AIR PRESSURE ON CUSHIONING
- ▶ SENSITIVITY OF PRODUCT TO STATIC ELECTRICITY
- ▶ IMPACT ON THE EXTERNAL SIZE OF THE SHIPPING CONTAINER
- ▶ CONSUMER PERCEPTION
- ▶ ENVIRONMENTAL AND RECYCLING ISSUES
- ▶ MATERIAL COST
- ▶ LABOR COST AND PROCESS COSTS

Determining a products “fragility level” is quantified and reported in “G’s (G-Force)”. The selection of the right optimal solution will also immobilize the products in the box by “blocking and bracing” them in place thus ensuring a safe transit.



PERFECT PROTECTIVE PACKAGING

FRAGILITY LEVEL AND MATCHING STOROPACK SOLUTIONS

Fragility Level	General industries	Storopack solution
Robust	Industrial and construction equipment	FOAMplus® PAD LOC® PAC PAPERplus® Classic PAPERplus® Coiler <sup>2</sup>
Rigid	Aerospace equipment Automotive equipment Residential/Commercial ceramics and tools	FOAMplus® PAD LOC® PAC PAPERplus® Track PAPERplus® Classic PAPERplus® Coiler <sup>2</sup>
Durable	Electronics Medical equipment	FOAMplus® PAD LOC® PAC PAPERplus® Track PAPERplus® Classic PAPERplus® Coiler <sup>2</sup> AIRplus® Cushion AIRplus® Bubble AIRplus® Wrap
Sturdy/ Firm	Refurbished Electronics Light Automotive/Medical equipment	FOAMplus® PAD LOC® PAC PAD LOC® RePAC PAPERplus® Track PAPERplus® Coiler <sup>2</sup> AIRplus® Cushion AIRplus® Bubble AIRplus® Wrap
Delicate	Health and beauty	FOAMplus® PAD LOC® PAPERplus® Track PAPERplus® Papillon AIRplus® Void AIRplus® Cushion AIRplus® Bubble AIRplus® Wrap Renature®/ Pelaspan® PAC
Fragile/ Brittle	Lighting Antiques	PAD LOC® PAPERplus® Papillon PAPERplus® Chevron AIRplus® Void AIRplus® Cushion AIRplus® Bubble AIRplus® Wrap Renature®/ Pelaspan® PAC



# PAPERplus® IS THE CLASSIC WAY TO PACK.

Whether filling voids, cushioning from impact shock or blocking and bracing goods against transport damage: Storopack's PAPERplus® paper cushioning offers all around perfect protection for your packaged goods. They can be small and fragile or bulky and heavy, Storopack's PAPERplus® cushioning can fill voids, cushion during impact shock or block and brace to eliminate transport damage. Storopack offers a variety of paper cushioning systems that

produce the right amount of packaging materials for every requirement and can be used individually or integrated into existing packaging processes.

They all have one thing in common: innovative shapes enable optimal cushioning and exceptional stability with limited use of materials and a lower pack weight. Storopack customers can also choose from various types of paper.

### AVAILABLE SOLUTIONS FOR CUSHIONING

- ▶ PAPERplus® Classic
- ▶ PAPERplus® Track
- ▶ PAPERplus® Chevron<sup>3</sup>
- ▶ PAPERplus® Papillon
- ▶ PAPERplus® Coiler<sup>2</sup>



AIRplus® Cushion, AIRplus® Wrap,  
AIRplus® Bubble and AIRplus® Wrap

# AIRplus® IS PROTECTIVE PACKAGING, LIGHT AS A FEATHER.

Storopack's air pillows are the ideal solution for effectively protecting sensitive goods in transit from vibration, filling voids, and blocking and bracing products in the carton. AIRplus® and AIRmove® product lines provide an extensive range accommodating a wide variety of product applications. Our air pillow systems produce cushioning on-demand directly at the packing station – as individual machines for smaller requirements or as an integrated

part of an existing packaging process. This saves valuable storage space and perfectly adapts the packing process to meet on-site needs. Our range of air cushions consists of a variety of film types and cushioning shapes, ensuring all your products are perfectly protected. All films are produced in our own production facilities, require very little raw material, and offer exceptional mechanical characteristics.

### AVAILABLE SOLUTIONS FOR CUSHIONING

- ▶ AIRplus® Cushion
- ▶ AIRplus® Bubble
- ▶ AIRplus® Wrap



PAPERplus® Classic Coil, PAPERplus® Track Coil,  
PAPERplus® Chevron and PAPERplus® Papillon

**FOAMplus® IS**  
A PREMIER CUSHIONING SOLUTION FOR  
PROTECTIVE PACKAGING.

Storopack's FOAMplus® foam packaging is a high-quality protective packaging solution that adapts to the contours of the product. FOAMplus® foam protects your goods against transit damage due to impact shock and vibration. Whether they're heavy, fragile or unusual shapes FOAMplus®

offers the protection required for your product. Made from expanded polyurethane, the high-quality packaging foam is resistant, robust and thanks to it being light weight, reduces transport costs.

AVAILABLE SOLUTIONS FOR CUSHIONING:

- ▶ FOAMplus® Bag Packer
- ▶ FOAMplus® Hand Packer
- ▶ FOAMplus® Pre-mold



**LOOSE FILL IS**  
RELIABLE ALL-AROUND CUSHIONING.

Storopack's Loose Fill offers safe, efficient, and versatile all-around protection for your shipping goods. Loose fill has superior cushioning, effectively blocks and braces products, and fills voids inside the carton. With our trademarked "S" shape, interlocking the shapes to provide exceptional resistant to shock absorption is first class. Storopack customers can choose between our EPS Loose Fill made of 100% recycled materials or our certified compostable plant starch solution, RENATURE®. All Loose Fill products are lightweight, antistatic, pourable, and therefore ideal for automated packaging lines.

AVAILABLE SOLUTIONS FOR CUSHIONING

- ▶ PELASPAN® PAC
- ▶ RENATURE®



**PAD LOC® IS**  
READY-TO-USE, SELF-ADAPTING  
PROTECTIVE PACKAGING.



PAD LOC® PAC is a standard packaging product with options to engineer a custom solution. PAD LOC® PAC has superior cushioning and is reusable while holding its integrity to continue offering proven shock and vibration absorption. Made from recycled materials and delivered to you as a finished good. Storopack is also offering a fully certified compostable packaging solution made from renewable resources called PAD LOC® RENATURE® providing superior shock and vibration absorption. PAD LOC® RePAC combines strength and compostability. Made with recyclable plastic film and compostable fill it is ideal for delicate - durable applications.

AVAILABLE SOLUTIONS FOR CUSHIONING


- ▶ PAD LOC® PAC
- ▶ PAD LOC® RENATURE®
- ▶ PAD LOC® RePAC

## **STOROPACK – PERFECT PROTECTIVE PACKAGING**

Wherever in the world you send your products, we want them to be well protected while in transit.

## **VARIETY IS OFFERING THE APPROPRIATE PROTECTION FOR EACH ITEM.**

At Storopack we not only provide you with our extensive selection of protective packaging, but also our decades of experience. We can offer you detailed advice and work with you to develop an appropriate comprehensive or integration solution featuring products from our large range.

 **More about Storopack Flexible Protective Packaging:**  
[www.storopack.us/products/flexible-protective-packaging/](http://www.storopack.us/products/flexible-protective-packaging/)

CONTACT US

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