Cushioning Solutions
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.

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.

<table>
<thead>
<tr>
<th>FRAGILITY LEVEL</th>
<th>GENERAL INDUSTRIES</th>
<th>STOROPACK SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robust</td>
<td>Industrial and construction equipment</td>
<td>FOAMplus® PAD LOC® PAPERplus® Classic</td>
</tr>
<tr>
<td>Rigid</td>
<td>Aerospace equipment Automotive equipment Residential/Commercial ceramics and tools</td>
<td>FOAMplus® PAD LOC® PAPERplus® Track PAPERplus® Classic</td>
</tr>
<tr>
<td>Durable</td>
<td>Electronics Medical equipment</td>
<td>FOAMplus® PAD LOC® PAPERplus® Track PAPERplus® Classic Airplus® Cushion Airplus® Bubble Airplus® Wrap</td>
</tr>
<tr>
<td>Sturdy/ Firm</td>
<td>Refurbished Electronics Light Automotive/Medical equipment</td>
<td>FOAMplus® PAD LOC® PAPERplus® Track PAPERplus® Classic Airplus® Cushion Airplus® Bubble Airplus® Wrap</td>
</tr>
<tr>
<td>Delicate</td>
<td>Health and beauty</td>
<td>FOAMplus® PAD LOC® PAPERplus® Track PAPERplus® Papillon Airplus® Void Airplus® Cushion Airplus® Bubble Airplus® Wrap RENATURE® PEIASPAN® PAC</td>
</tr>
<tr>
<td>Fragile/ Brittle</td>
<td>Lighting Antiques</td>
<td>PAD LOC® PAPERplus® Papillon PAPERplus® Chevron Airplus® Void Airplus® Cushion Airplus® Bubble Airplus® Wrap RENATURE® PEIASPAN® PAC</td>
</tr>
</tbody>
</table>

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
**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® Chevron³
- PAPERplus® Papillon

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**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
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 recyclable, antistatic, pourable, and therefore ideal for automated packaging lines.

PAD LOC® 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 compostable packaging solution called PAD LOC® RENATURE® providing superior shock and vibration absorption. Made from renewable resources, PAD LOC® RENATURE® film and fill is certified compostable.

AVAILABLE SOLUTIONS FOR CUSHIONING:
- PAD LOC® PAC
- PAD LOC® RENATURE®
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