

VBoard®: Insurance Against Transport Packaging Hazards

The VBoard family of edge protection products can help to counteract several potential transport packaging hazards.



Packaging products with VBoard and stretch-wrap versus corrugated or other opaque packaging can protect against **rough handling**. Handlers tend to be more careful when they can see the product they are dealing with. VBoard can also protect corners of pallet loads and products from lateral collisions.



Unitizing with VBoard and stretch-wrap prevents product tip-over that can result from **shock** (the jump or jolt that can occur when a package stops moving before the product does, or a transport vehicle stops moving before a package does). It can also prevent load shifting and the resulting misalignment caused by **vibration** during transit. These identical products (above) shipped with and without VBoard show the difference unitizing can make.

Static compression hazard is deformation caused by the weight of stacking in storage. VBoard can be used both inside the corners of corrugated cartons and on the corners of palletized loads to enhance their stacking strength.



Dynamic compression is caused by moving forces, such as a product shifting within its container, packages bumping into one another during transit or pressure from a clamp truck. Unitizing pallets with VBoard and stretch-wrap prevents load shifting and tip-over and the dynamic compression they can cause. Nailing VBoard horizontally to the floor of the transport vehicle prevents pallets from sliding and crashing. VBoard can even be used horizontally in the bottom of a carton to prevent damage from clamp trucks!

VBoard can prevent **puncture** from both inside and outside the package. Reinforcing a carton bottom with VBoard can prevent product poke-through from the inside. Using VBoard on the corners of palletized loads or the ends of bagged products can protect products from forklift punctures.



In some industries, Laminations' products can also be used to prevent **abrasion**. Metal manufacturers, for example, use FlexBoard® to protect coiled products from damage. VBoard can

also be treated with special coatings or over-wrapped with various materials to prevent abrasion of products with delicate surfaces.

Extreme temperatures can cause some packaging materials, such as plastic, to weaken. VBoard, which is not affected by temperature extremes, is a good substitute for plastic edge protectors when products face extreme temperature conditions.

A **high humidity** environment can rob corrugated containers of up to 60 percent of their stacking strength. VBoard added to the packaging can be a solution to this seasonal problem. WrapBoard™ is also ideal for unitizing under humid conditions.

