

Case Study

Safety Stabilization Solution



<p>The Challenge:</p>	<p>The Liquor Control Board of Ontario (LCBO) requires all pallets of alcoholic beverages, shipping into Ontario Canada, to meet very specific regulations defined in the LCBO Product Packaging Standards (PPS). LCBO PPS is intended to ensure the safe handling of beverage alcohol products throughout the entire supply chain, from transportation to warehousing to retail.</p> <p>When a truckload arrives at the LCBO docks, LCBO open the doors, remove a pallet, cut off the stretch film, and check the pallet for stabilization. If the cases/packages are not secure and don't meet the Coefficient of Friction (CoF) standard, the entire load is rejected. If rejected the load is shipped off-site where all pallets are unstacked and re-stacked using hot melt adhesive for stabilization to meet requirements.</p> <p>After repalletizing, the load is then shipped back to the LCBO to be received. The company shipping the product to the LCBO is invoiced \$2500 USD per truckload to cover this service.</p> <p>LCBO PRODUCT PACKAGING STANDARDS*</p> <ul style="list-style-type: none"> 4.2.8 Load stability shall be maintained through adequate shipping containers to shipping container friction or by the application of a suitable anti-skid coating or cohesive applied between each tier. Use of 'non-slip' tier sheets or similar devices/materials inserted between tiers or between the pallet and the first tier is prohibited. 4.2.8.1 For the purpose of 4.2.8, "adequate shipping container to shipping container friction" shall mean a Coefficient of Friction (CoF) value of between 0.80 and 0.92, as determined using the Pull Force test. 4.6.1.1 This method may be used to determine the CoF of shipping containers (corrugated cartons or shrink-wrapped trays) with or without the application of an anti-skid coating or cohesive. 4.6.2.1 The objective of this test is to ensure adequate friction between shipping containers is achieved so as to produce a coefficient of friction value of between 0.80 and 0.92, required to create a stable pallet, assuming that the pallet consists entirely of shipping containers of the same brand.
<p>The Solution:</p>	<p>BREAKAWAY palletizing adhesive is designed to stabilize fully loaded pallets. With just a small amount of adhesive applied in key areas, pallet loads hold tight. Using BREAKAWAY enables the reduction or elimination of stretch wrap needed. BREAKAWAY technology continues to stabilize product pallets at the facility even after the stretch film or straps have been removed. With increased pallet stabilization, this minimizes rejected loads.</p>
<p>The Outcome:</p>	<p>BREAKAWAY helped an APPLIED customer meet the strict LCBO safety stability requirements at under \$5.00 of BREAKAWAY per pallet. The customer has not received any more violations from the LCBO since using BREAKAWAY, has seen improved transit times overall and has minimized damages that occurred during shipments — a major win!</p>



* Liquor Control Board of Ontario (Feb. 21, 2013) LCBO Product Packaging Standards and Guidelines for Chemical Analysis. Retrieved from http://www.doingbusinesswithlcbo.com/tro/Packaging-Quality/Downloads/PPS_EN.pdf (Original work published March 1998)