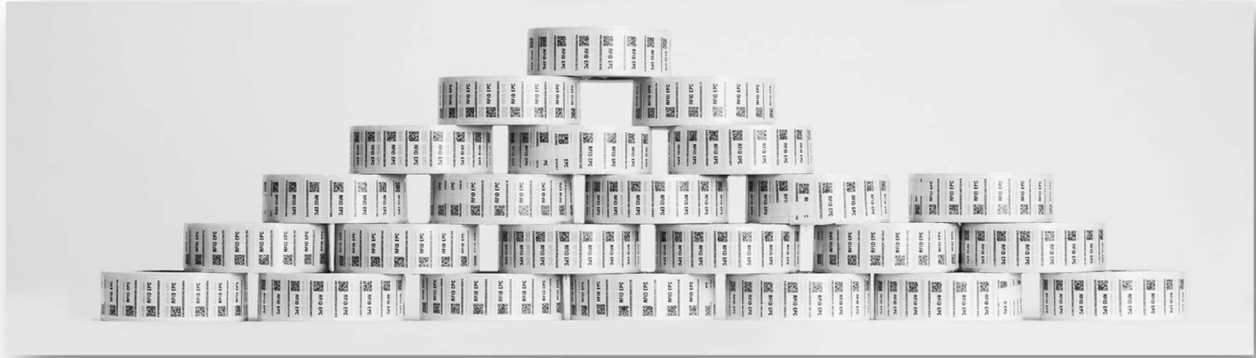




RFID Tag Application Guide



Purpose:

This document is intended to provide general guidelines to help ensure inventory accuracy and integrity. To accomplish this all products should be tagged consistently and organized in a way that maximizes inventory read performance.

Establishing a standard for how different product types are tagged will ensure consistent and high read performance.

There are many tagging options available and knowing the variables will help provide the best possible solution.

Variables to consider when tagging:

- Product/package material:
 - Metals, Liquids, Foil
 - These materials will affect the tag performance
- Dimension of items
- Available space for applying a tag
- Stocking orientation requirements
- Location on product – a consistent placement will minimize the occurrence of two tags touching

Note: When tagged products have been consumed the RFID tag should be discarded to eliminate the risk of reappearing in any future inventory list.



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Tag Application Do's and Don'ts:

Do	Don't
<i>DO</i> check the application surface is clean and dry	<i>DO Not</i> ever bend or crease the tag
<i>DO</i> ensure there are no wrinkles and no damage to the tag before and after application	<i>DO Not</i> place tag directly on a container with liquid
<i>DO</i> try to keep all tags aligned in the same orientation	<i>DO Not</i> place tag near any metal surface or any packaging containing metal
<i>DO</i> prevent tags from contacting metal or liquid objects when stocking	<i>DO Not</i> remove or reuse a tag once applied
<i>DO</i> allow for some separation between tags – ideally →1”	<i>DO Not</i> exceed the recommended maximum tag count per unit
<i>DO</i> allow adhesive to <i>cure</i> for →15 minutes before placing in a cold chain environment, where possible	<i>DO Not</i> place tag directly on a container with liquid
<i>DO</i> prevent tags from contacting each other when stocked	<i>DO Not</i> orient products so that two tags touching each other
	<i>Do not</i> place tags directly on packaging containing liquid
	<i>Do not</i> place tag on top of any important information such as expiration date or serial numbers
	<i>DO Not</i> apply tags to a curved surface with a diameter smaller than 3”



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Application by Package Type

Product type	Preferred application method	Example
Rectangular Cardboard Boxed Product	Apply to a flat surface only. Place on a shelf or in a bin so that all tags are parallel to each other	
Glass/Plastic Bottle	Apply a tag to a tug-tite neck tag, then secure around the bottle neck.	



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<p>Bagged/overpack</p>	<p>Use an appropriately sized pre-tagged bag. Place the item in a bin/tray to ensure the items remain vertical</p> <p>This is most commonly used within cold chain environments or with irregular shaped product.</p>	
<p>Metalized Contents or Foiled Product</p>	<p>Place the tag on the box in an area with the largest space between the outer package and any metal.</p> <p>Another method to accomplish this is a removable adhesive edge tab (A095). This tab can be removed without damaging the packaging.</p> <p>Apply the edge tabs on the side that will face upwards. Staggered placement will reduce risk of tags contacting each other. Ideal orientation will place all tags facing the same direction on the product</p>	 