



# SHELF LIFE AND LOT CONTROL

THE KEY TO ACCURACY, TRACEABILITY, AND EFFICIENCY

At an Ellsworth Adhesives' Distribution Center, item attributes and lot control are the key to our accuracy, traceability, and efficiency. To maintain superior lot control, Ellsworth Adhesives utilizes a highly enhanced WMS (Warehouse Management System).

## LOT TRACKING

The key to shelf life and lot control are the individual item attributes that we use to identify products in inventory. Ellsworth Adhesives develops and maintains an item file within our WMS that can track the elements of a product's shelf including a variety of calculation modes, time frames, and attributes that are unique to specific vendors and items. These attributes are then used to systemically calculate and track the expiration dates of all lots in our inventory.

Item: <input type="text"/>					
DESCRIPTIONS	PROPERTIES	UNITS	<b>LOT TRACKING</b>	PRICING	BARCODES
<input checked="" type="checkbox"/> Lot controlled?	<input type="checkbox"/> Fifo (First In First Out) Controlled?				
<input checked="" type="checkbox"/> Detailed Lot Tracking?					
Shelf Life Origin:	DOM <input type="text"/>				
Lot Attribute Group:	<input type="text"/>				
Calculation Modes:	0 <input type="text"/>				
Current Shelf Life:	455 <input type="text"/>	DAYS <input type="text"/>			
Certification Period:	1 <input type="text"/>	DAYS <input type="text"/>			
Distributor Shelf Life:	12 <input type="text"/>	MONTHS <input type="text"/>			
OLD-DOS Grace Period (mo):	0 <input type="text"/>				
<input type="checkbox"/> Calculate Shelf Life using a 30-day month?					
<input type="checkbox"/> Recertification Required?					
<input type="checkbox"/> Print Shelf Life in Days on Documents?					
<input checked="" type="checkbox"/> Allow Expiration Date Entry?					

## LOT OPTIONS

Our WMS maintains a profile of every customer and their shelf life, document, and labeling requirements. We are not a pure FIFO (First In First Out) facility. If a customer requires a minimum of 50% shelf life, that will become part of their profile. Our WMS will then guide our pickers to the lot that meets a customer's requirement even if it means passing up older material in inventory.

If we don't have the shelf life in inventory that a customer requires, the picker will be alerted to take the product to a hold location and it will not be released until the Customer Service Representative approves the release.

If an order is staged to shipping without going through the authorization process, an alert will be sent to the inventory control and order prep teams alerting them to the event.

Customer: <input type="text"/>					
BILL TO	SHIP TO	THIRD PARTY	PROPERTIES	<b>LOT OPTIONS</b>	LOT OVERRIDE
Shelf Life Mode:	PERCENT (%) <input type="text"/>				
Shelf Life Required:	50 <input type="text"/>				
<input type="checkbox"/> Same Lots Required?		<input type="checkbox"/> SDS Required?			
<input type="checkbox"/> Certs Required?		<input type="checkbox"/> TDS Required?			
<input type="checkbox"/> Manufacturer Certs Required?		<input type="checkbox"/> Manufacturer Tests Required?			
<input checked="" type="checkbox"/> Manufacturer Lot Certification Files Required?					

## INVENTORY

In the Inventory tab within our WMS, shelf life detail is systemically calculated and kept. This data is used to allocate the proper shelf life to a customer's profiled need.

INVENTORY											
ITEM LEDGER		QUARANTINE	REMNANT	SERIAL NUMBERS			LOT NUMBERS		DISCREPANCIES		
BIN	LOAD	TOTE	QUANTITY	TYPE	ZONE	QUAR	REMNT	LOT	SERIAL	RECEIPT DATE	SHELF LIFE REMAINING
125-01-04			1296	1	1	<input type="checkbox"/>	<input type="checkbox"/>	>8N92BAAA		23 Apr 2018	2Y 2M 31 DAYS (91%)
125-02-01			1168	11	1	<input type="checkbox"/>	<input type="checkbox"/>	>N622BAAA		19 Mar 2018	2Y 1M 22 DAYS (87%)

Our WMS also records every Receipt, Pick, and Ship activity at the lot level with a time stamp.

27 Apr 2018 05:45:54 PM	JADAM			ITEM.PUTAWAY		#16975
27 Apr 2018 05:35:34 PM	JADAM			ITEM.PUTAWAY		#RECV02
27 Apr 2018 05:19:54 PM	JADAM			ITEM.RECEIVE	0396476	
04 May 2018 11:59:57 AM	CWALLIS			ORD.SHIP	3793701	#793701
04 May 2018 11:33:20 AM	HCARR			LOAD.STAGE	#793701 (3793701)	INTLDOC1
03 May 2018 04:03:42 PM	DWILLIAMSON			LOAD.STAGE	#791716 (3791716)	STAGE
03 May 2018 03:18:18 PM	DWILLIAMSON			ORD.PICK	3791716	F01-04-01

## LOT AUDIT

Our WMS maintains lot audit trail for all any given Item/Lot combinations which allows for quick reporting of all orders that received a specific lot.

LOT AUDIT							
BRANCH	TRANSACTION	ITEM	DESCRIPTION	LOT NUMBER	DATE	QUANTITY	SALES ORDER
	PICK	EA9394 QUART KIT 420512	Loctite EA9394 Quart Kit Aero	>H452BAAA	12 Apr 2018 07:23:43 PM	5	3780590
	PICK	EA9394 QUART KIT 420512	Loctite EA9394 Quart Kit Aero	>H452BAAA	11 Apr 2018 06:28:03 PM	17	3780354
	PICK	EA9394 QUART KIT 420512	Loctite EA9394 Quart Kit Aero	>H452BAAA	04 Apr 2018 02:54:36 PM	1	3775214
	RECEIVE	EA9394 QUART KIT 420512	Loctite EA9394 Quart Kit Aero	>H452BAAA	02 Apr 2018 02:45:25 PM	24	



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