

# SKID-LOCK®

## UNITIZING SYSTEMS



### UNITIZING WITHOUT WASTE

**Gluefast**  
Adhesives & Applying Equipment

## WHY USE SKID-LOCK®?

Using SKID-LOCK reduces a major problem facing all of us today: *solid waste*. It also enables the user to palletize a load quickly, economically, and effectively. Unlike some other products on the market today, SKID-LOCK is a true unitizing product. Many so-called palletizing adhesives are actually diluted carton sealing adhesive products which work only if exactly the correct amount is applied. If too much is applied fiber tearing occurs during unloading.

## HOW SKID-LOCK WORKS

SKID-LOCK is a water based resin product with a key ingredient that prevents deep penetration of the resin into paper or board stock. The resulting surface bond provides the ideal properties required for a true unitizing adhesive... high shear strength (side to side) and low tensile strength (up and down).

## HOW TO APPLY SKID-LOCK

Cross stacking provides the most secure load. When the direction of each tier of cartons or bags is alternated, the load is said to be *interlocked* or *cross-stacked*. This method of loading allows each carton or bag, except for the top and bottom, to be in contact with at least two cartons or bags above and two below. This enhances the security of the load.

Columnar stacking may require the use of one or more slip sheets, or the use of a small amount of stretch wrap around the top two tiers.

It is recommended that two stripes of adhesive be applied to the top of each carton lengthwise, as illustrated below. Note: It is not necessary to apply adhesive to the top tier. Complete instructions for testing SKID-LOCK and samples for testing are available upon request.

## HOW LONG BEFORE SKID-LOCK SETS?

Once SKID-LOCK has been applied onto the cartons or bags and they have been placed on the pallet, it will generally take a few minutes in order for a bond to begin to form, depending on the particular formula SKID-LOCK, the amount applied, whether it has been extruded or sprayed, and the characteristics of the load itself. The best way to answer this question is to test the product on the load to be unitized, right in your own facility!

## SKID-LOCK USAGE PER PALLET?

The amount of SKID-LOCK consumed depends on three factors:

1. The type of board stock (i.e., virgin vs. recycled paper)
2. The degree of contact from carton to carton, i.e., a full fill carton will provide better contact and a stronger bond than a partial fill carton.
3. The particular SKID-LOCK formulation used.

In general, an "average pallet" of 60 cartons would consume a quarter pound (113 grams) of SKID-LOCK. Contact your Gluefast representative regarding our SKID-LOCK CONSUMPTION GUIDE SLIDE CHART.

## THE SKID-LOCK FORMULATIONS

All of the SKID-LOCK formulations are safe and contain no known hazardous materials as defined by OSHA. Gluefast offers a SKID-LOCK product right for just about every application, including recycled cartons, varnished or heavily inked stock, and even plastic bags or shrink-wrapped items!

- All formulas are suitable for use in refrigerated environments just above freezing to hot, non air-conditioned environments.
- All formulas contain ingredients which comply with FDA's regulation 175.105 for use in Food Packaging Adhesives.

**SKID-LOCK-PLUS** - Our first and most popular formula for general use on cartons and multi-wall paper bags.

**SKID-LOCK-R8** - Recommended where recycled board stock is used, product is packed warm, or a stronger bond is required.

**SL-POLY** - For use on plastic bags and shrink wrapped items. Also good on cartons or paper bags going immediately into a freezer after unitizing.

**SPECIAL FORMULATIONS** - Our research lab can meet nearly any special unitizing adhesive requirement!

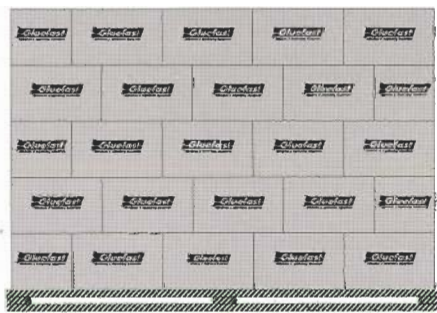
## SKID-LOCK VIDEO

A video tape is available in NTSC format (English & Spanish) or PAL format (English, Spanish, and German) which shows how SKID-LOCK works, where it can be used and the application methods. Contact your Gluefast representative for information on this video tape.

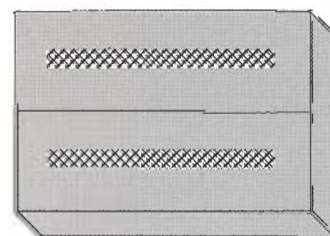
### COLUMNAR STACKED CARTONS



### CROSS STACKED CARTONS



### SKID-LOCK APPLIED ON A CARTON



- Easy & safe to apply, containing no known hazardous materials as defined by OSHA.
- Manual and automatic applicators for nearly any requirement.
- Works on nearly all paper surfaces including brown cartons, mottled white cartons, paper bags, recycled board stock, heavily inked & varnished surfaces, plastic bags, and stretch wrapped items.
- No daily cleanup of equipment!
- Savings of up to 50% over stretch wrap!
- Convenient packaging in gallon, 5 gallon pails, 55 gallon drums, and easily disposed of 260 gallon (1000 liter) corrugated "tote" containers.

- There is little or no plastic wrap to dispose, resulting in less solid waste!
- Since little or no stretch wrap has to be removed there is a labor savings.

### ADDITIONAL BENEFITS

- SKID-LOCK provides a strong bond!
- SKID-LOCK allows clean release without damaging the packaging.
- SKID-LOCK was tested on corrugated using procedures outlined by the American Paper Institute and did not interfere with repulpability.
- The ingredients in all SKID-LOCK formulations comply with FDA's regulation 175.105 for use in Food Packaging Adhesives.

## THE SKID-LOCK® UNITIZING SYSTEM MANUAL APPLICATORS

### SQUEEZE BOTTLES

For testing, short run, or portability, a simple 8 ounce (200 gram) squeeze bottle with dispensing tip will suffice. Our Multistripe Adhesive Dispenser offers multiple dispensing tips to apply more product with less effort.

### P.A.T.

For better control our P.A.T. Pneumatic Adhesive Tank) is recommended. The P.A.T. is a self contained unit consisting of a stainless-steel tank, pressure gauge, regulator, hand grips, hose, safety relief valve, with three dispensing valves to choose from. It is available in 3, 5, and 10 gallon tanks.

The Standard P.A.T. with extrusion glue heads: (Lower left photo). Applies SKID-LOCK using 1", 2", or 3" wide glue heads in lines 1/8" apart. Requires only 10 psi air pressure.

The P.A.T. with PISTOL GRIP SPRAYER: (Center Photo) Allows the operator to spray SKID-LOCK onto the items to be unitized. High pressure (50-70 psi or 3-5 bar) and a small orifice apply a fan spray type pattern.



The P.A.T. ATOMIZING SPRAYER: (Right Photo) This provides the ultimate in control, externally atomizing product at lower pressures. The P.A.T. ATOMIZING SPRAYER is required when applying SL-POLY.

For detailed information on the P.A.T. systems, request catalog SLPAT898.

Standard P.A.T.

P.A.T. with Pistol Grip Sprayer

P.A.T. Atomizing Sprayer

# THE SKID-LOCK® UNITIZING SYSTEM AUTOMATIC APPLICATORS



**Model LC**



**Model SLUSB**

Gluefast offers two fully automatic application systems to apply SKID-LOCK onto cartons, paper bags, shrink wrapped items, or plastic bags moving on a conveyor.

The automatic applicators provide a consistent amount of product, offering high reliability and low maintenance. The systems are flexible, allowing for upgrading.

Each system contains three components:

- **EXTRUSION/SPRAY ARM ASSEMBLY:** It is attached on top of the Application Station or directly onto the conveyor. This assembly also includes the photo electric eye(s) to detect the item, and the extrusion or spray valves to apply the product.
- **APPLICATION STATION:** Consists of a painted metal box which houses the controls for applying product.

- **A PRESSURE TANK or a PUMPING STATION:** Brings product to the Application Station. A LOW LEVEL ALARM is available for the PUMPING STATION. It notifies workers using audible and visual alarms when the container of SKID-LOCK is nearly empty.

The two systems differ in flexibility, degree of automation and cost. For detailed information about the two automatic applicators please request our catalogs LC898 and SLUSB898.

Gluefast has distributors and representatives across the United States. We also have a world wide distribution network to service our overseas customers. Let us show you how the SKID-LOCK UNITIZING SYSTEM can work for you by having us come to your factory for an in-plant product demonstration!