

**1st**  
Edition

The Complete Guide to  
**Fashion Tech**  
**Packs**



 **Surefront** Retail Guides

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Section 1

# What is a Tech Pack?

# Tech Packs Serve as a Collaborative Document for Teams.

They are initially created by designers and sent to manufacturers. Manufacturers then use the Tech Pack to create product samples or to put a finished design into production (depending on the stage of the [product lifecycle](#)). Adobe Illustrator is a go-to Fashion Design application that has many tools to facilitate product design.

Tech Packs are primarily used in the fashion and clothing industry (softline) rather than hardline industries like furniture. Tech Packs help to create diverse fashion designs and clothing types, so they must be customizable.



## Bridge the Gap between Design Concepts and Final Production.



Detailed Drawings



Measurements



Materials



Images with Markups



Comments to Your Teams

# Key Elements of Tech Packs

Comprehensive Tech Packs Usually Include Several Key Elements:

**Fashion Flat Sketches:** Detailed illustrations of the garment from multiple angles.

**Bill of Materials (BOM):** List of all materials required, including fabrics, trims, and labels.

**Garment Measurement Specs:** Precise measurements for each size and component.

**Garment Cost Sheet:** Breakdown of all costs involved in producing the garment.

**Images with Markups and Comments:** Visuals annotated with specific instructions and comments.

**Product Attributes:** Detailed garment attributes, including colorways, sizes, and fit details.

**Description, Comments, and Background Info:** Contextual information about the design, including inspiration and intended use.

**Design Notes:** Detailed notes on design elements.

These Elements Ensure Clarity and Precision in Communication Between Designers and Manufacturers.

## Who Creates Tech Packs?

Tech Pack creation is largely a **buy-side process**. Retailers and brands refine and improve design concepts until those designs are ready to be captured in Tech Packs.

Creating Tech Packs involves combining all the key elements discussed above into a multi-page document.

Tech Packs contain exhaustive specifications so suppliers can accurately manufacture the intended product.

Tech Packs are sent to suppliers after being finalized by the product development team. Suppliers may have notes on the design. They may think a certain material or design element needs to be more practical or feasible. This is where things can get complicated.

## Automating Tech Pack Collaboration

Tech Packs sometimes need a little refining after they are sent to suppliers. This can slow product development because Tech Packs are sent back and forth using inefficient tools like email.

Surefront's solution to this bottleneck is a **shared collaboration hub between retailers and suppliers**.

Surefront's platform allows both parties to add comments to specific product fields and to markup visual collateral.

Surefront's Tech Pack builder saves time in the collaboration process and keeps everything on a single source of truth—reducing errors.

## How Tech Packs are Used

Once a supplier has finalized Tech Packs, they can use them to build sample items. Or, if they're further along in the process, Tech Packs will be used as a source of truth for mass production.

Tech Packs are usually printed and used by various workers on the production floor.

Tech Packs serve as a reference point for checking the quality of production. They provide a standard against which each piece can be measured, ensuring that all garments meet the required standards and specifications.

# Key Elements of a Great Tech Pack

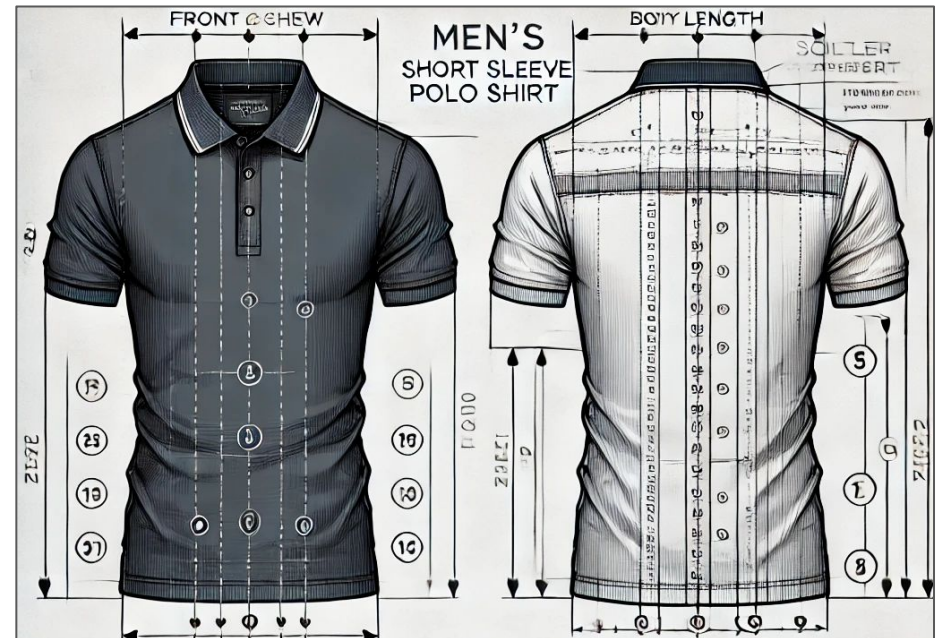
## Garment measurement specs



Garment measurement specs are precise measurements for each garment component (for accurate sizing and fit).

This includes general measurements like body length, chest, waist, hips, armhole, shoulder drop, and neck opening, as well as specific measurements for details like collar length/width, cuff length/width, and pocket dimensions.

## Fashion flat sketches



Fashion flat sketches are detailed, black-and-white illustrations of the garment from multiple angles, including front, back, and side views.

These sketches help manufacturers visualize the final product accurately.

They should be as detailed as possible, including all seams, darts, stitches, and other design elements.

# Key Elements of a Great Tech Pack (cont.)

## Colorways

Men's Casual

Quick View

Men's Back To School

2063/2078  
Boys' SS Henley

Price Calculator

FOB Point	IDJKT
Unit Cost	\$0.0000

UPC#

Warehouse Pack - GTIN

Vendor Pack - GTIN

Brand: Abercrombie

Size

Color

MSRP

Material

Length

Width

Height

Carton Length: 12

Carton Width: 15

Carton Height: 15

Cube: 1.56

When designing a product and specifying its colorway in a Tech Pack, it's crucial to detail how different hues and patterns will impact the final product. Clear colorway specifications in the Tech Pack ensure that the final shirts meet your design vision and maintain consistency across production.

## Bill of Materials (BOM)

1 of 4 Products

Assign Workflow Duplicate

24519-Parent Edit  
DENVER L/S

Brand: CMC

Size: Assorted

Color: Plaid

Material: 100% Cotton

Weight: lbs

Carton Dimensions: 12 x 12 x 12 in

Cube: 1.00 ft<sup>3</sup>

UPC#

MOQ: 504

Lead Time: 60

HTS#

Master Pack: 24

Star Rating: 5

Is Weather Resistant: True

Style Type

Class

Main Fabric Content: Cotton

Fabric Construction

Fabric Weight

Fabric Finish Type

Size Scale

Folded Garment Dims

Garment Weight

Born on Date

Is Private Label

Body Length: 31

Body Length TOL+: 0.5

Chest (1" below armhole): 20.5

Chest (1" below armhole) TOL+: 0.5

Waist Relaxed: 19

Quotes

No quotes requested

Price Calculator

Save

FOB Point: Ho Chi Minh

Freight Rate: \$ 0.0000 / 1.00 ft<sup>3</sup>

Freight Description

Duty Rate: 0.00 %

Unit Cost: \$ 18.7500

Freight Cost: \$0.0000

Duty Cost: \$0.0000

Misc Cost: \$ 0.0000

Landed Cost: \$18.7500

Margin: 0.67%

Unit Price: \$ 55.9900

Components

#	Item#	Description	Unit Price	Unit Cost	Ratio
1	24519	DENVER L/S	\$49.9600	\$17.5000	1
2	Z-1234	Zipper	\$2.5000	\$1.2500	1
3	BTTN-001	Pearl snap button	\$0.1000	\$0.0500	1

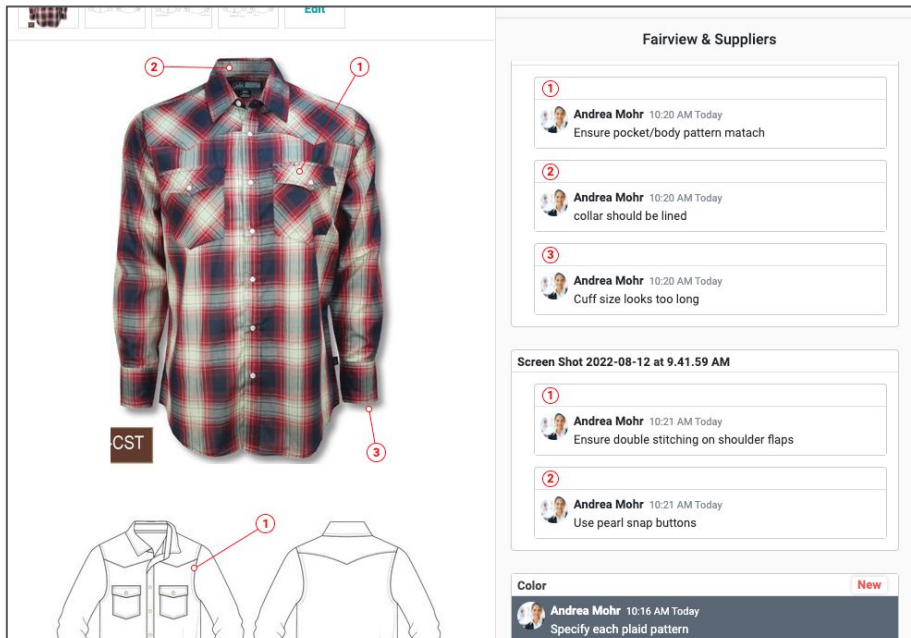
Attachments Add

The **Bill of Materials (BOM)** is a detailed list of all materials needed to produce the garment. This includes the main fabric, lining, trims, labels, and any other components. A well-defined BOM ensures that nothing is overlooked and helps determine the cost and sourcing of materials.



# Key Elements of a Great Tech Pack (cont.)

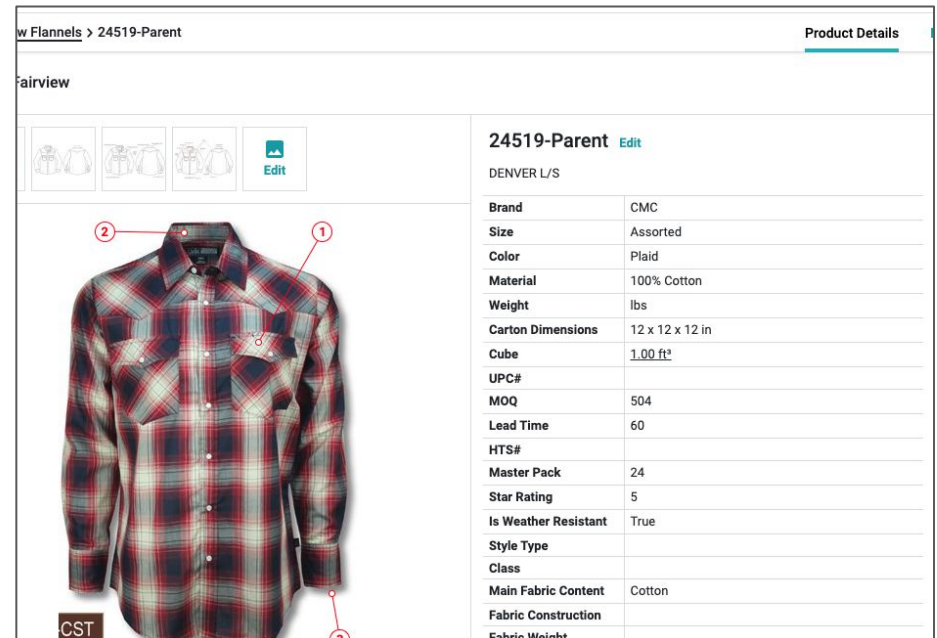
## Images with markups and comments



Including images with markups and comments is essential for highlighting critical details and specific instructions. Annotated visuals help manufacturers understand exactly how each part of the garment should be constructed.

Surefront's Tech Pack builder allows for image markups and annotations right in the app.

## Product attributes



Product attributes include detailed information about the garment's characteristics, such as colorways, sizes, and fit details. This section ensures that all variations of the garment are clearly defined.

# Key Elements of a Great Tech Pack (cont.)

## Description, Comments, & Background

The screenshot displays a product management interface for '24519-Parent DENVER L/S'. On the left, there is a sidebar with '4 Products' and 'No quotes requested'. The main area shows product details: '24519-Parent DENVER L/S', 'Price Calculator', 'FOB Point: Ho Chi Minh', 'Unit Cost: \$ 18.7500', 'Unit Price: \$ 55.9900', 'Brand: CMC', 'Size: Assorted', and 'Color: Plaid'. On the right, the 'Edit Components' section lists the parent product and its components: '24519 DENVER Plaid Fabric L/S', 'Z-1234 Zipper', and 'BTTN-001 Pearl snap button'.

This section provides contextual information about the design, including inspiration, intended use, and any special considerations. Background information helps manufacturers understand the designer's vision and the garment's purpose.

## Design notes

The screenshot shows a design notes interface for a plaid shirt. It features a central image of the shirt with numbered callouts (1, 2, 3) pointing to specific details. To the right, there is a 'Fairview & Suppliers' section with a list of design notes: 'Ensure pocket/body pattern match', 'collar should be lined', 'Cuff size looks too long', 'Ensure double stitching on shoulder flaps', and 'Use pearl snap buttons'. The interface also includes a 'Color' section with a 'New' button and a 'Fabric Finish Type' section.

Design notes offer detailed explanations of specific design elements, helping manufacturers understand intricate details. These notes provide a clear record of design decisions.

Section 2

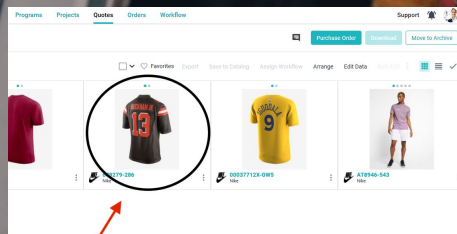
# How to Create Tech Packs

# Generating Tech Packs with Surefront

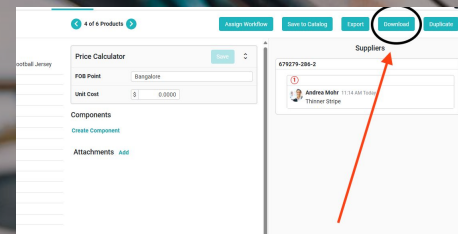
Creating Tech Packs can be Simple or Complicated Depending on the Product and the Tools Used to Generate the Tech Pack.

Tech Pack generation on Surefront takes a couple of clicks. This is because teams using Surefront iterate and design product specs within the platform. So, when you need to generate Tech Packs, you have all the data you need readily available. What you do next is incredibly simple.

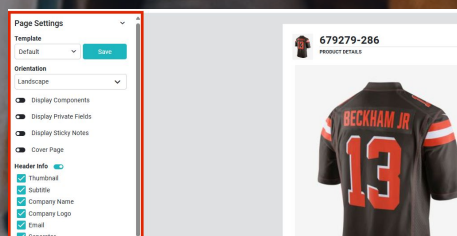
## 1 Choose a Product



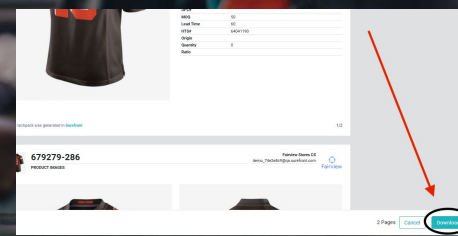
## 2 Click Download



## 3 Customize Your Layout



## 4 Click Download



You can save certain layouts as Tech Pack templates using Surefront.

These templates can automatically populate future Tech Packs with correct details and specifications.

# Automate Your Tech Pack Instead of Entering the Information Manually.

Without Surefront it's **more labor-intensive to manage** your product data, images, and specs that may be stored in various spreadsheets and documents.



## Things You Won't Have to do Anymore.

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**Gather all design data:** Start by creating detailed sketches and listing all materials required for the garment.

**Compile measurement specs:** Include all necessary measurements and sizing details to ensure accurate fit.

**Prepare BOM and Cost Sheet:** List all materials and calculate the costs involved in production.

**Annotate Images:** Add comments and markups to sketches to highlight critical details and instructions.

**Compile the document:** Use software like Adobe Illustrator to create a professional and organized layout.

This process can take hours to complete and involves a lot of manual data entry. If a supplier has notes for the Tech Pack, you may pass the Tech Pack back and forth trying to iterate until a sample is ready for production.

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# On **Surefront** Product Iteration Happens in Real Time on a Shared Platform.

## Best Practices

### **Be Thorough and Detailed**

Ensure that all information is included and clearly detailed.

### **Use Clear and Precise Language**

Avoid ambiguity and ensure that instructions are easy to understand.

### **Include Multiple Views and Annotations**

Provide comprehensive visuals to aid in understanding the design.





Section 3

# Tech Pack Templates

# Tech Pack Templates

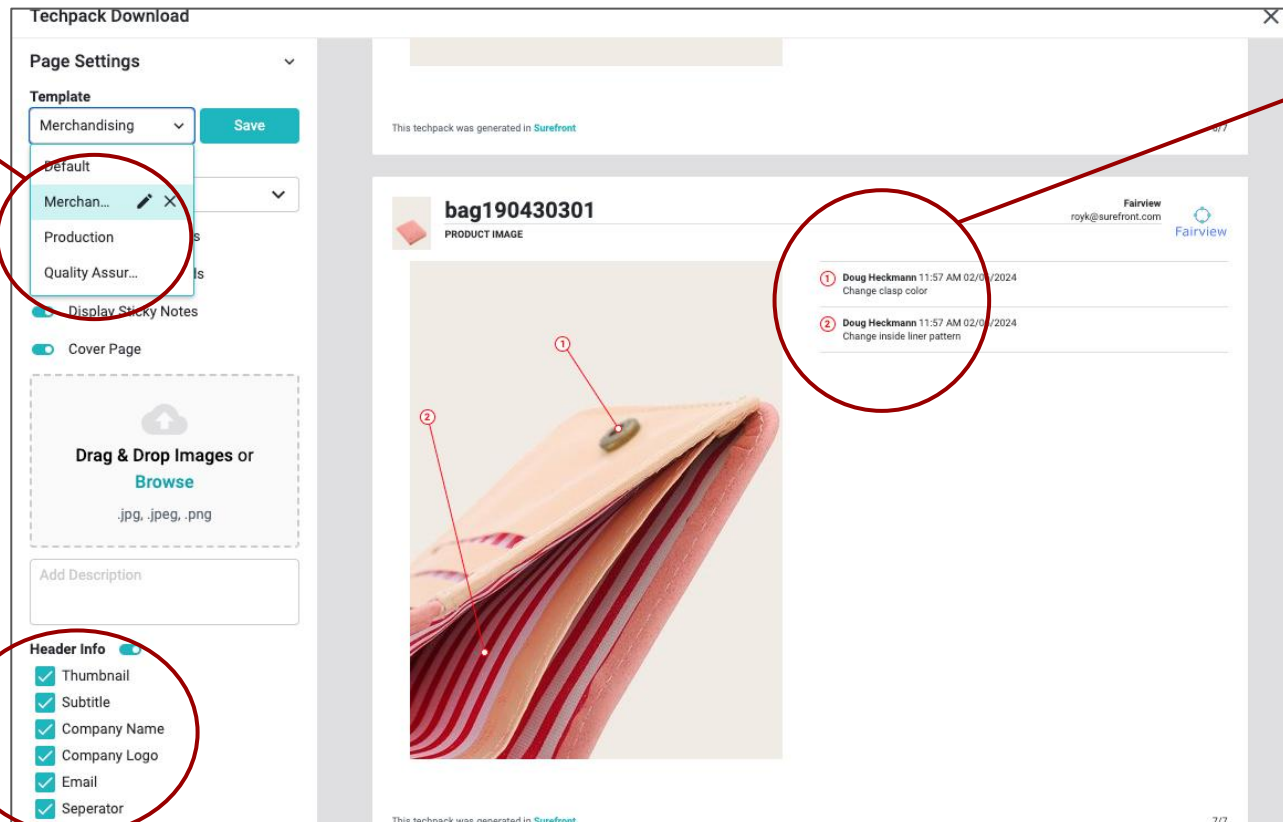
Templates save you time when creating tech packs for different purposes like merchandising, production, or quality assurance. It's easy to select the details you want to include on each template, then the next tech pack is only one click away.

Whether you are a buyer optimizing margin and costs, or a production manager ensuring items are produced to specification, or a quality assurance professional completing testing, Surefront's tech pack templates are key to your success.

Create templates for specific needs

Choose the info you want to share

Add Detailed Product Notes

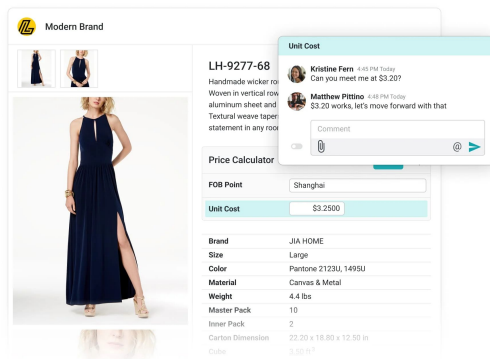




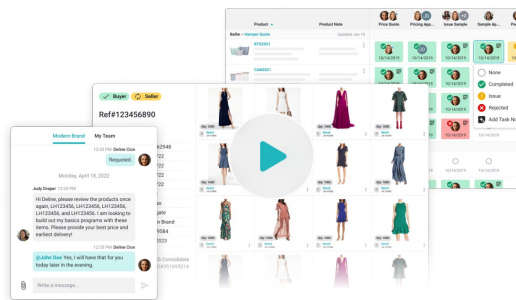
# There's No One-Size-Fits-All Tech Pack

So quickly generating custom Templates is essential.  
**Template.**

You can generate Tech Packs for free by [signing up for a free trial](#).



Try it Free



Watch Demo

Surefront is the only retail PLM that can help your business

# TRACK, TEST, AND VERIFY

compliance in a fraction of the time.  
It all starts with 360-degree visibility.

Surefront guarantees retailers and suppliers

# 10x ROI

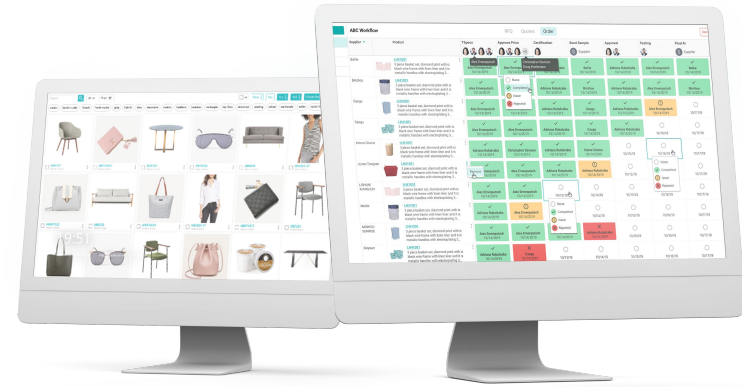
*within a year of adoption.*

# About Surefront

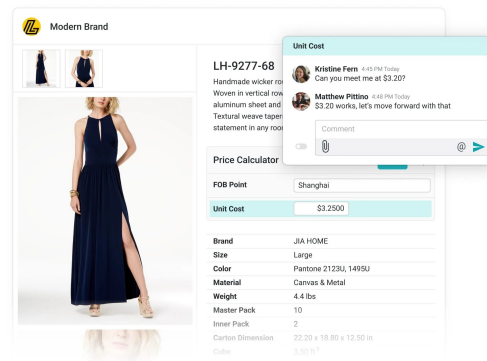
Businesses that adopt Surefront see an average **10X ROI after a single year** of use. Are you ready to calm the chaos of your product communication and quote creation process, and get to market faster?

Email [sales@surefront.com](mailto:sales@surefront.com) to set up an intro call with our solution experts today.

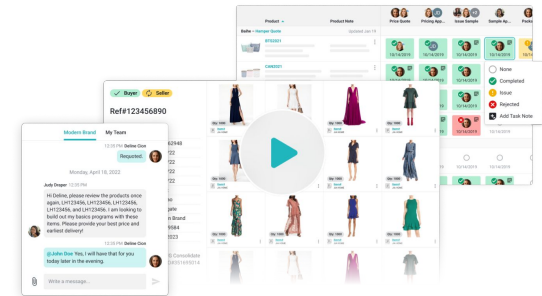
Sign up @ [Surefront.com/blog](https://surefront.com/blog) and stay ahead of **news & trends** in the B2B retail industry.



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# Our Other Guides



## PLM Implementation

- ✓ Define current PLM needs
- ✓ Vet PLM software vendors
- ✓ Maximize ROI

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## Complete PLM Guide

- ✓ Understand PLM workflows
- ✓ Explore PLM software benefits
- ✓ Discover practical PLM tips

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## Retail Sustainability

- ✓ Learn SEC + ESG regulations
- ✓ Evaluate environmental risks
- ✓ Automate compliance

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**Article:** [The Most Popular Raw Materials in Fashion Today](#)

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