



# Textile Performance Offerings

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Guilford of Maine®

# We're all about making life easier for you. With our wide range of performance offerings, you can get just what you need to make your project a success.

## **Antimicrobial**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54", 66", or 72"	50 yds	2 weeks

Chitosan based antimicrobial finish is a derivative of discarded snow crab shells, an abundant, renewable resource and a waste product of the seafood industry. This product inhibits the growth and odor of bacteria, mold, mildew and fungi on textiles and treated surfaces. It is different from products that clean or disinfect; it works between cleanings to inhibit the growth of bacteria, mold, mildew, and fungi that cause odor, stains, discoloration, decay and deterioration of treated materials. Chitosan based antimicrobial finish was tested against *Enterobacter aerogenes*, *Klebsiella pneumoniae*, *Staphylococcus aureus*, *Trichophyton rubrum*, *Aspergillus niger*, *Chaetomium globosum*, *Penicillium varians*, *Stachybotrys chartarum*, and *Trichoderma viride*. Test results demonstrate product efficacy at the recommended use rate. Antimicrobial is standard on all Guilford of Maine cubicle products.

## **Moisture Barrier**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54"	100 yds	2 weeks

A water-based backing that provides excellent moisture, mildew and abrasion resistance on upholstery fabrics. It was created using the most up to date sustainable technologies that have a low impact on the environment.

## **Stain Repellents**

Repellents are intended to prevent stains, dirt, and grime from penetrating the fabric. They create a protective shield that repels liquid, dirt and grime, thus giving you the time you need to clean the spills and prevent stains.

### **BLOCKaide™**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	50 yds	2 weeks

- Our proprietary soil and stain repellent. It provides excellent repellency to oil and water and helps repel spills and makes clean up easier. Utilizes C6 chemistry.

### **3M Scotchgard™ Protector**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54"	50 yds	2 weeks
66"	50 yds	1 week

- Next generation Scotchgard provides excellent repellency to oil and water by using increasingly sustainable materials that are outside of the PFOA regulatory debates by using C4 chemistry.

## **Crypton® Green**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54"	50 yds	2 weeks

Crypton Green offers permanent stain, moisture, mildew, bacteria and odor-resistant protection by encapsulating each fiber while utilizing Green chemistry with ultra-low emissions. Crypton Green treated fabrics inhibit the growth of molds like *Aspergillus niger* and bacteria like *Staphylococcus aureus*. It also surpasses Greenguard's Indoor Air Quality and complies with BIFMA X7 emissions requirements and contributes to points for LEED-CI.

## **Acrylic Back Coating**

Acrylic backing is a formaldehyde-free coating that stiffens and strengthens fabric, locking the weave alignment in place. Once coated, dissimilar fabrics have comparable degrees of stretch, recovery, and stability. Acrylic back coating also prevents bleed through of adhesives, camouflages fabric transparency, and minimizes "darts" that occur when some light reflectant fabrics are manually pulled onto a panel surface. It is available in 3 different weights.

### **.5 oz./sq. yd.**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	100 yds	2 weeks

- Lightweight and sufficient to stabilize the fabric and minimize light reflectant "darting"
- May alter the shade of the fabric to some extent

### **1.0 oz./sq. yd.**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	100 yds	2 weeks

- Heavier application
- Heavier coatings are required on some fabrics to achieve weave stabilization and reduce light reflectant "darting"
- This level may also be used to improve seam slippage performance and upholsteryability

### **1.5 oz./sq. yd.**

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	100 yds	2 weeks

- A heavy coating is primarily used to minimize glue bleed-through in furniture manufacturing processes

## **Acrylic Wallcovering with Repellent**

This option includes a stain repellent as well as an acrylic backing for stiffening and strengthening panel fabrics. Blockaide is our proprietary water and oil stain repellent. Available in 3 weights.

<i>Weight</i>	<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
.7 oz./sq. yd.	54"	100 yds	2 weeks
1.0 oz./sq. yd.	66"	100 yds	2 weeks
1.5 oz./sq. yd.	66"	100 yds	2 weeks

## Scrim

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
68"	25 yds	1 week

Scrim is a polyester nonwoven that is applied to panel fabrics for dimensional stability. It is thermally bonded to the back of fabrics via heat transfer. It is available in one thickness of about 1 oz./sq. yd. and can result in a stiffer product than acrylic backing.

## Polyester Backing

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54"	100 yds	2 weeks

The coating is a custom formulated system designed to impart dimensional stability and integrity to polyester woven and non-woven substrates. The product is based on a polyester dispersion rather than acrylic or styrene butadiene latex which results in a recyclable product when applied to polyester substrate. Once dried and cured the coating forms a soft flexible film.

## Polyester Binder

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	50 yds	2 weeks

Polyester binder is a fabric stabilizer that helps eliminate fraying and increases dimensional stability. Low melt polyester granules form welds between fiber and yarns. Polyester Binder has minimal effect on the hand of the fabric, yet adds a crispness that helps the fabric stay in one place during upholstery. It can also reduce or eliminate "darting" on light reflectant fabrics when they are stretched over panels.

## Web Adhesive

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
54" or 66"	50 yds	2 weeks

Web adhesive allows the fabric to be adhered to its destination without glue. The web adhesive becomes the glue needed and is activated by heat. Resembling a dryer sheet in appearance, web adhesive provides a consistent glue application superior to spraying, eliminating glue bleedthrough problems. It is a clean process with minimal impact on the environment.

## Tyvek®

<i>Width</i>	<i>Min. order</i>	<i>Lead time</i>
60" roll	100 yd roll	In Stock*

Tyvek brand protective material is a family of tough, durable spunbonded olefin sheet products. Spunbonded olefin is strong, lightweight, flexible, smooth, low-linting, opaque and resistant to water, chemicals, abrasion and aging. Tyvek is sold by the roll and used on panels as an underlayment to help prevent panel frames or other panel interior parts from showing through the fabric applied over it.

## Fire Barrier

Fire Barrier is a knit product that can help furniture meet Cal-133 standards. The soft and flexible material is designed to char and swell when exposed to flame, creating an insulating barrier between the flame and the polyurethane foam in the seat. The fiberglass core of the yarn is an inert material that does not burn and is coated with either a modacrylic or cotton sheath. Barrier fabric is laminated to surface fabric with the use of a polyester adhesive and cuts easily with standard scissors and cutters. Laminating the barrier to the surface extends the durability because it eliminates the friction that would occur between the two fabrics if they were not adhered. Fire Barrier is available by the roll, laminated on our products, or on COM's. The three types of Fire Barrier are as follows:

### **F-117 (PBDE Free/Bromine Free)**

<b>Width</b>	<b>Min. order</b>	<b>Lead time</b>
60" laminated	25 yds**	2 weeks
62" roll	90 yd roll	In Stock*

- Fiberglass core coated with a modacrylic sheath. Modacrylic is a flame retardant fiber that forms a char when exposed to fire, while releasing a vapor-phase flame retardant. Vapor-phase flame retardants work by releasing gases that react with and interfere with the chemistry of flame.
- Excellent upholsterability and breathability
- Performance is unaffected by water spills
- Free of Polybrominated diphenyl ethers (PBDE)
- Free of brominated flame retardants

### **2427 (PBDE Free/Halogen Free)**

<b>Width</b>	<b>Min. order</b>	<b>Lead time</b>
56" roll	50 yd roll	In Stock*
54" laminated	25 yds**	2 weeks

- Fiberglass core coated with a cotton sheath utilizing an intumescent flame retardant coating. The flame retardant actively helps put out the fire. Intumescent materials expand when subjected to fire, creating an insulating barrier that helps keep the flame from penetrating through the material.
- Excellent upholsterability
- Greater protection than offered by F-117
- Performance is unaffected by water spills
- Free of Polybrominated diphenyl ethers (PBDE)
- Free of halogenated flame retardants

 Appropriate for Upholstery applications

 Appropriate for Panel applications

 Appropriate for Cubicle applications

Lead times may vary

\* 2 week lead time when there is no available stock

\*\* Any order less than 25 yds is subject to a \$100.00 set-up fee

# Upholstery Layering Options

We want your textile to have the right performance properties that your project demands. Each of our woven upholstery patterns can be enhanced however you desire. It's easy as 1-2-3.

## Step 1 Choose your fabric.

## Step 2 Determine your performance need.

**A Antimicrobial**  
This product inhibits the growth and odor of bacteria, mold, mildew and fungi on textiles and treated surfaces. Different from products that clean or disinfect, it works between cleanings to inhibit the growth of bacteria, mold, mildew, and fungi.

**B Moisture Barrier**  
A water-based backing that provides excellent moisture, mildew and abrasion resistance on upholstery fabrics. It was created using the most up to date sustainable technologies that have a low impact on the environment.

**C Stain Repellent**  
Our BLOCKaide™ stain repellent creates a protective shield that repels oil and water based liquids and dirt and grime, giving you the time you need to clean the spills and prevent stains.

## Step 3 Select your finishes.

One Finish	Two Finishes	Or, All Three
Antimicrobial	Antimicrobial + Moisture Barrier	Antimicrobial + Moisture Barrier + Stain Repellent (Crypton Green)
Moisture Barrier	Moisture Barrier + Stain Repellent	
Stain Repellent	Antimicrobial + Stain Repellent	

Contact Customer Care for more information: 800 544 0200



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