



January, 2008

Breaking New Product News from Spectrum Yarns, Inc.

With the decline of the traditional USA textile business over the past several years most companies have initiated development of new products and markets to better assure survival.

Spectrum initiated this effort for our Kings Mountain yarn dyeing and our Marion texturizing plants.

At Kings Mountain today we view our dyeing machines as pressure kiers with the goal of finding “things” to do in them in addition to dyeing yarn.

At Marion today we specialize in non-commodity yarns... different filament counts, lusters and cross-sections. We specialize in our 360^o™ 100% PCR textured yarns and Trevira™ flame retardant yarns, natural and dyed.

At the same time, we initiated a movement for Spectrum to become GREEN and SUSTAINABLE. 100% sustainability by 2012 is our goal. It takes a GREEN yarn company to make a GREEN yarn. We have 360^o™ for our Bottle Story- 100% Post consumer filament polyester from recycled plastic bottles. We have Eco-Dyed™ for all yarns dyed in our Green Manufacturing Kings Mountain, NC plant.

We are Cradle to Cradle MBDC certified for our 360™ PCR PET (Polyester) dyed yarns and our Kings Mountain dyeing processes are Silver MBDC certified.

It is now time to share more fully with you the results and status of our efforts. We think you will find some of these new processes and yarns applicable for your business.

We present these as

- **Kings Mountain Processes**
- **Kings Mountain Yarns**
- **Marion Yarns**

Kings Mountain Processes

- FLAME RETARDANT COTTON

We have the trade-mark FOX™ for this FR treatment process.

This is our most important new process to date. With a patented process we apply FR additives to packages of 100% Cotton and Cotton Blends. FOX™ processed yarn is for the mattress, military, protective, safety and sock industries. FOX™ processed yarns impart comfort, durability and economics to knitted and woven fabrics. The yarns can be dyed before or after the FOX™ process.

Our FOX™ Process is an important break-through for the USA textile industry – cotton growers, spinners, weavers and knitters. FOX™ opens new markets for cotton.

FOX™ simplifies supply chain logistics. No reason to import FR fibers and yarns no longer manufactured in USA. No need for Berry Amendment waivers.

Now – FOX™ FR Yarns... Home Grown in the USA. You select the cotton or cotton blend yarn for your specific end-use and send to Spectrum for Fox™ing. You will be surprised at the results.

- SHRINK TREATMENT OF WOOL

We have trade-mark WOW™ for this process. Spectrum today is shrink treating Wool Yarn...and then dyeing it too!

We shrink treat the wool yarn not the wool fiber. Same result. Plus WOW™ enhances the softness of wool.

Until WOW™, shrink treating was done only in fiber form and not in our hemisphere.

Targeted markets for WOW™ are socks, military, performance and potentially all wool products, woven or knitted. WOW™ simplifies the wool supply chain logistics - - and more economical, too!

WOW™....you select the wool yarn for your specific end-use and send to Spectrum for WOW™ing!! You will be surprised at the results!

- Our Eco-Dyed™ processes are MBDC Cradle to Cradle Silver Certified.
- In bath additives are added in kiers to impart the following characteristics
 - Flame-Retardant
 - Anti-microbial
 - Anti-wicking / Moisture Management
 - Stain Resist and Stain Release
 - High Ultra Violet Properties
 - Nano-Silver

Kings Mountain Yarns

- **100% Post-consumer Spun Polyester**
We offer commission dyeing of this Green Yarn with MBDC approved dyes.
- **Prima Loft™**
Prima Loft™ is a patented proprietary yarn manufactured by Albany International Group.
www.Primaloft.com

Spectrum is Albany International's suggested commission package dyer of this unique yarn. Possible end-uses are socks, sweaters, outerwear and gloves.

- **Other Yarns**
 - Basofil
 - PBI® www.pbigold.com
 - Fiber Vision® Dyeable Polypropylene www.fibervisions.com
 - Coolwear Polyester®
 - Coolmax with Cordura®
 - Coolmax Nylon Plus®
 - Hydropur

Marion Yarns

- **The Bottle Story**
360™ 100% Post Consumer Filament Polyester.
The Truly Green Polyester Yarn. Available from Spectrum as natural and dyed.
- **Trevira™ Flame Retardant Filament Polyester**
Spectrum is Trevira's USA partner for texturing and yarn dyeing Trevira™ and Trevira CS™. Available natural and dyed only from Spectrum.
- All filament counts, cross-sections and lusters of textured polyester for all knitting and weaving applications.

For further information on our new product developments and to receive future **Breaking Product News** from Spectrum, please contact

Mike.Carter@sdv.com.

704-718-4216