Colouration & Finishing for Designers & Retailers

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What is colouration & finishing?

A set of processes designed to impart a specific look, feel and performance to fabric.



What colouration & finishing methods suit my needs?

What is the end product? Ladies wear, mens wear, school wear, corporate wear, knitwear, furnishing, suiting, safety wear, upholstery, mix & match separates, protective wear, blankets, etc.

What are the performance needs: washable, dry clean only, next to skin, drape, lightweight, hard wearing, low pill, soil repellent, warmth, fire resistant, soft handle, shower proof, stretch, etc.



Colouration & Finishing options

- Dyeing Top dye, Yarn dye, Piece dye
- Physical finishing many processes
- Chemical finishing many chemicals



Colouration

- Top dye normally done with reactive dyes
- Yarn dye done with either reactive or levelling dyes
- Piece dye must be done with levelling dyes
- Laboratory dyeing & colour matching

Top Dyeing

- PROS highest fastness, best colour continuity,
- CONS earliest stage of production , suits large runs

Yarn Dyeing

- PROS small runs , suits checks & patterns
- CONS small runs , lower fastness

Piece Dyeing

- PROS last minute colouration .
- CONS solid shades*, lowest fastness.

Laboratory Dyeing and Shade Matching

- A lab dyeing takes as long as bulk dyeing
- 3 facts of wool dyeing and colour matching
- Metamerism and Pantones and other fibres
- Commercial colour measurement

Physical Finishing

Solvent Scouring

WET FINISHING Open Width Scouring

Rope Scouring

Milling

Cropping

Singeing

DRY FINISHING Pressing

Chemical setting

Decatising

Pressure decatising

Raising



Chemical Finishing

- Hydrophobic Teflon, Scotchguard, Wax, lamination
- Hydrophilic chemicals with water absorbent properties
- Antimocrobial Sanitize, Ultrafresh, silver
- Micro-encapsulation aromas, medicines
- Softeners micro, nano, silicones
- Mothproof substantive, non-durable
- Crease "resistant" resins, design
- Stretch chemicals, design
- Fire retardant PFZ, Zirpro, Halogen compounds
- Machine washable top treatment, piece treatment
- Environmentally friendly "green" dyes & chemicals
- Etc.



Summary

Colouration and finishing decisions are complex and complicated. They are based on a complex range of handle, appearance and performance needs, specified by both the designer and retailer, but ultimately determined by the expectations of the end user.