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Activewear Fabric Development Guide

A practical framework for briefing, sampling and approving fabrics used in movement-focused garments.

DOCUMENT PURPOSE

Use the guide to align garment use, construction, stretch behavior, comfort and relevant tests before sample yardage or bulk production.

Prepared for fabric sourcing and project discussion

This reference does not constitute a certificate, test report, product warranty or final order specification.

Working Guide

Define the Garment

The same fabric is not automatically suitable for leggings, lightweight tops and compression pieces.

- Garment type, fit and body zones.
- Movement range and stretch direction.
- Skin contact, layering and climate.
- Care route and expected product life.

Build the Material Brief

Record measurable targets and physical priorities together.

- Fiber blend, construction, target GSM and usable width.
- Stretch and recovery direction.
- Matte, brushed, printed or smooth surface.
- Opacity, moisture handling and hand feel.

Approve with Context

Review the sample in a condition that reflects the final garment.

- Condition sample yardage before measurement.
- Evaluate opacity under representative stretch.
- Sew a garment or panel when construction affects performance.
- Record the approved physical sample and test method.

Approval Record

Use this page as a discussion record. Add the applicable project values and obtain confirmation before sampling or bulk production.

Checkpoint	Record
Appearance	Shade, surface, defects and print definition
Dimensions	GSM, usable width and dimensional stability
Movement	Stretch direction, elongation and recovery
Comfort	Touch, opacity and moisture priorities

Important Note

Textile behavior varies with fiber, construction, dyeing, finishing, conditioning and test method. Final specifications, tolerances, documents and commercial terms must be confirmed for the selected item and order.