

Temporary Seam Holding Applications in Garment Manufacturing

Durafil Water Soluble Thread (WST)

Technical Application Reference Document

1. Introduction

Temporary seam holding is a garment assembly operation where fabric sections are temporarily joined together before permanent stitching is completed.

Temporary seam stabilization is commonly used during garment construction to maintain alignment, reduce fabric movement, and support controlled assembly during sewing operations.

Accurate temporary seam holding is important for:

- Garment assembly consistency
- Fabric alignment
- Sewing stability
- Handling control
- Production efficiency

Durafil Water Soluble Thread (WST) can be used as a temporary stitching solution during seam holding operations.

After washing, the temporary stitches dissolve and disappear.

2. Production Challenge

During garment assembly, fabric panels and seam sections often require temporary stabilization before final sewing operations.

Common production challenges include:

- Movement of fabric sections during sewing
- Shifting of layered fabric assemblies
- Maintaining seam alignment during handling
- Instability of lightweight or flexible fabrics
- Distortion during repeated assembly operations

Factories traditionally use temporary stitches to stabilize seam constructions before permanent attachment.

3. Traditional Method

In conventional garment production, temporary seam holding is often achieved using:

- Standard sewing thread
- Manual tacking
- Temporary holding stitches

After permanent stitching is completed, operators manually remove the temporary stitches.

4. Limitations of Traditional Temporary Stitching

Manual removal of temporary stitching may create several production issues:

- Additional labour requirement
- Slower finishing operations
- Risk of accidental fabric damage
- Inconsistent removal quality
- Increased handling time

On delicate or appearance-sensitive fabrics, manual stitch removal may increase the risk of:

- Surface damage
- Yarn pulls
- Seam distortion
- Marking
- Accidental cutting of the garment

Repeated handling during stitch removal may also disturb seam alignment.

5. Durafil Water Soluble Thread (WST) Solution

Durafil Water Soluble Thread (WST) provides a temporary stitching solution for seam holding applications.

The thread behaves like a normal sewing thread during assembly operations, holding seam sections in position during garment construction.

During washing, the temporary stitches dissolve and disappear.

This removes the need for manual stitch removal after sewing.

6. Typical Temporary Seam Holding Applications

Durafil Water Soluble Thread (WST) may be used in applications including:

- Temporary joining of garment panels
- Layered fabric seam stabilization
- Seam alignment during assembly
- Lightweight fabric seam holding
- Shaped garment seam positioning
- Temporary stabilization before final stitching

The thread may be used wherever temporary seam stabilization is beneficial during production.

7. Operational Benefits

Using Durafil Water Soluble Thread (WST) for temporary seam holding can provide several operational advantages.

Improved Seam Stability

Temporary stitches help maintain alignment of seam sections during sewing and handling operations.

Reduced Manual Labour

Because the temporary stitches dissolve during washing, manual stitch removal operations can be reduced.

Reduced Risk of Fabric Damage

The elimination of manual stitch removal helps reduce the risk of:

- Accidental cutting damage
- Seam distortion
- Surface marking
- Disturbance of layered fabric constructions

Improved Production Flow

Garment assembly can proceed without requiring separate manual stitch removal stages after sewing.

Cleaner Garment Finishing

After washing, the temporary stitching disappears, leaving only the permanent seam construction.

8. Suitable Garment Fabrics

Applications may be suitable for:

- Lightweight woven fabrics
- Blended woven fabrics
- Layered fabric constructions
- Delicate garment fabrics
- Structured garment fabrics
- Appearance-sensitive textiles

Production trials are recommended for specific garment constructions.

9. Production Outcome

Using Durafil Water Soluble Thread (WST) in temporary seam holding operations may help garment manufacturers:

- Simplify assembly workflow
 - Reduce manual finishing operations
 - Improve seam alignment consistency
 - Reduce handling complexity
 - Improve operational efficiency
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10. Related Application Areas

Additional temporary stitching applications may include:

- Collar alignment
- Cuff positioning
- Placket stabilization
- Decorative panel alignment
- Multi-layer fabric positioning

11. Disclaimer

Performance depends on garment construction, washing conditions, and production processes.

Users are responsible for conducting suitability trials under actual production conditions prior to commercial use.

12. Technical Support

For technical information regarding Durafil Water Soluble Thread (WST):

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