

# Application Notes

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Durafil Heat Soluble Thread

Temporary Stitching Thread for Fast Removal by Heat Activation

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## 1. Product Description

Durafil Heat Soluble Thread is a temporary stitching thread designed for applications where holding stitches are required during garment production and later removed by controlled heat.

When suitable heat is applied, the thread softens and melts, allowing temporary stitches to disappear and reducing or eliminating manual thread removal.

This can save labour time, reduce handling damage risk, and improve finishing efficiency.

**This product is designed for use as a bobbin thread only and must never be used as a needle thread.**

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## 2. Main Functional Use

The thread is primarily used as a **bobbin thread only** for:

- Temporary tacking
- Position holding during sewing
- Assembly support before final stitching

- Temporary shaping and stabilising operations
- Garment finishing support where stitch removal is normally required

Use standard permanent sewing thread in the needle position.

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### **3. Typical Garment Applications**

#### **A. Lapel and Jacket Tacking**

Used to temporarily hold lapels, edges, and shaped areas during tailoring processes.

#### **B. Pocket Positioning**

Used to hold pocket parts in place before permanent sewing.

#### **C. Pleat Holding**

Used to secure pleats or folds during sewing and pressing stages.

#### **D. Hem Position Holding**

Used to temporarily secure hems before final finishing.

#### **E. Collar and Cuff Support**

Used to keep components aligned during assembly.

## F. Embroidery / Decorative Support

Used in selected temporary holding operations where later removal is required.

All applications should use the product in the bobbin position only.

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## 4. Key Benefits

- Eliminates manual untacking in many applications
  - Reduces labour cost
  - Reduces risk of fabric damage from seam ripping or sharp tools
  - Improves production speed
  - Supports cleaner garment finishing
  - Useful in repetitive uniform or volume garment production
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## 5. Recommended Use Method

1. Load Durafil Heat Soluble Thread in the **bobbin only**.
2. Use conventional permanent thread in the needle position.
3. Sew temporary holding stitches where required.

4. Complete required garment operations.
  5. Apply controlled heat using suitable pressing or finishing process.
  6. Thread melts / disappears from temporary stitch area.
  7. Confirm clean result before packing.
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## 6. Typical Heat Sources

Depending on garment system:

- Steam press
- Flat press
- Tunnel finishing
- Controlled ironing process
- Other suitable thermal finishing equipment

Trials are essential

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## 7. Common User Sectors

- School uniforms
- Corporate uniforms

- Workwear
  - Tailoring
  - Formalwear
  - High-volume garment production
  - Structured woven garments
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## **8. Important Process Variables**

Performance depends on:

- Thread specification used
- Correct bobbin-thread application
- Temperature reached in stitch area
- Exposure time
- Fabric thickness
- Garment layers
- Moisture / steam conditions
- Operator handling

## 9. Important Cautions

- Always run trials before production.
  - Use as **bobbin thread only**.
  - Never use as needle thread due to needle heat and friction risk.
  - Confirm fabric tolerance to heat.
  - Ensure melted residue is acceptable for the application.
  - Use correct thread type for intended temperature process.
  - Avoid overheating sensitive fabrics.
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## 10. Important Note

Durafil Heat Soluble Thread is designed for **bobbin thread use only** and must never be used as a needle thread.

Final performance depends on garment construction, fabric type, heat method, operator technique, and process control.

Users are responsible for testing, process adjustment, and validation before production.

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## 11. Contact for Technical Support

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