

Aqua-Seal™

The Only Thread that Can Prevent Seam Leakage.

Prevents Seam Leakage

Superior UV Resistance

Fade Resistant

Non-wicking

Colorfast

Aqua-Seal™ is the only thread and bobbin system, when used in combination, that will assist in preventing seam leakage. Aqua-Seal™ patented bobbins will repeatedly absorb water to help provide a leak-proof seam, thus eliminating the need to tape the seam. Aqua-Seal™ is also the most UV resistant, colorfast, and fade resistant polyester sewing thread available today.



FIL-TEC

Leading Through Innovation

P.O. Box B, Hagerstown, MD 21741-1191 USA • Phone: (800) 258-5052 • Fax: (301) 824-6938 • www.fil-tec.com



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Product Specifications

Size	Tex	Average Yards/lb	Average Strength
92+	110	3,650	17-18 lbs
138	135	2,800	22-23 lbs

Stitch Formation

Standard Stitch Formation



As noted in the diagram, the top thread and bobbin thread lock in the center of the sewn seam.

Aqua-Seal™ Stitch Formation



To seal seam from water penetration, the following diagram shows how the top thread and bobbin thread should be configured in the fabric seam.

**Note: Top Thread (red) Bobbin Thread (light blue)*

For best results, Aqua-Seal™ bobbin thread needs to be pulled to the top of the fabric.

To achieve this stitch formation:

1. Bobbin thread tension is less than standard stitch formation.
2. Top thread tension is increased to pull the bobbin thread to the top of fabric which insures a tight seam.

Accelerated UV Testing

Threads Tested	Before Exposure		200 Hour Exposure		% Strength Loss	Colorfastness
	Break	Elongation	Break	Elongation		
Fil-Tec™ 92+ / Tex 110 Aqua-Seal™ Poly Black	16.3	18.7	12.1	14.1	26%	4/5
Coats T-90 Dabond Black	14.4	15.9	9.5	11.4	34%	4/5
A&E T-90 Anafil Poly Black	12.9	19.6	8.2	13.3	36%	4/5

UV Testing done by Q-LAB Weathering Research Service in Homestead Florida. AATCC Evaluation Procedure 1 - Gray Scale for Color Change
Received final results May 10, 2010. Breaks and Elongation before and after exposure done by Fil-Tec™ Inc.

Fil-Tec™ cannot guarantee that Aqua-Seal™ will provide a leak-proof seam due to varying conditions in the use of the product and stitch formation.

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