OUTER ARMOR®

TECHNICAL BULLETIN

MOORING COVER FABRIC

This fabric was specifically designed and constructed for marine mooring cover applications and has evolved through periodic enhancements since its introduction in 1997. It is a "Medium Weight - High Strength" fabric that performs exceptionally well as a mooring, storage, or towable cover. Its versatility delivers outstanding value in the market.

Standard 7oz Fabric Composition

The standard version is a 600 Denier filament-woven solution-dyed polyester with a water-repellent treatment and a specially formulated "gel coat friendly" urethane coating. "Solution dyed" means the color is introduced during the filament extrusion process, providing UV fade resistance comparable to acrylic polyester fabrics.

Compared to acrylic polyester, this fabric offers:

- 2.5x higher hydrostatic water resistance
- 3x higher tear strength in the warp direction; 5x higher in the fill direction
- 65% higher tensile strength in the warp direction; 80% higher in the fill direction
- Dimensional stability – 0% shrinkage or stretch with rebound memory (acrylic has 3% stretch without rebound)
- 20% lighter weight – easier to pack and store
- 20%+ higher abrasion resistance, reducing or eliminating the need for reinforcements
- 20%+ higher Abrasion Resistance eliminating the need for any reinforcements.

BW+ 8oz Version

The BW+ version includes a tighter weave and an enhanced water-repellency formulation. While surface water-repellent treatments are typically not durable, improvements in formulation significantly enhance both performance and longevity.

Benefits include:

- Lower surface tension, allowing smaller water beads to run off faster
- 60% improved water repellency compared to the standard version, delivering 3.5 to 4 times greater repellency than acrylic polyester
- 3 to 4 times more durable – continues to bead water and protect the surface for a much longer period

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