



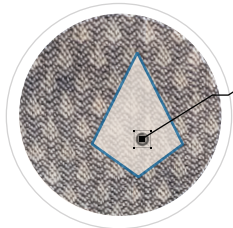
LIGHTWEIGHT. COMFORTABLE. AFFORDABLE.

Prism™ is a lightweight, inherently flame resistant thermal liner composite that incorporates Safety Components' proprietary and patented Sigma™ yarn technology. Sigma yarn technology combines optimal ratios of meta-aramid, para-aramid, FR viscose and polyamide fibers. These fibers, scientifically selected for maximum performance, provide an excellent combination of protection, comfort, moisture management, and durability.

HIGH-PERFORMANCE
THERMAL LINER

KEEPING YOU PROTECTED, COOLER, & MORE COMFORTABLE

Prism is woven into a technical dobby raindrop pattern, designed to channel moisture away from the firefighter. The raindrop pattern positions a higher ratio of FR viscose inside the raindrop. FR viscose is made from natural beech trees and possesses excellent moisture wicking capabilities and a very soft feel. The concentrated placement of the FR viscose inside the raindrop allows the fabric to channel moisture away from the wearer, thereby improving wearer comfort.



Wicking Raindrop Pattern

4 LEVELS OF PERFORMANCE

There are four primary levels of performance within the Prism fabric, driven by the specific physical properties of the four individual fibers selected. These fibers, when intimately blended together at optimal ratios, maximize the best properties of each individual fiber.

1. Meta-aramid fibers provide excellent thermal protection and durability for long lasting garment performance.
2. Para-aramid fibers provide excellent shrinkage control, break open protection and enhanced fabric strength.
3. FR viscose fibers provide excellent moisture management, improved comfort and softness to the wearer.
4. Polyamide fibers provide improved strength and fabric durability.

2 COMBINATIONS TO MEET SPECIFIC THERMAL PROTECTIVE NEEDS

PRISM PURE

Prism face cloth quilted to one-layer of 4 oz. pure virgin needle punched 50% meta-aramid/50% para-aramid batting.

PRISM 2-LAYER

Prism quilted to one-layer of 1.5 oz. aramid spunlace batting and one-layer of 2.3 oz. spunlace batting

TECHNICAL INFORMATION

FACE CLOTH

3.6 oz. (sq. yd.)

68% Aramid

21% FR Viscose

11% Polyamide ring spun fabric

WEAVE

Twill

COLOR

Tan & Black

LEARN MORE



Chosen specifically by the United States Marine Corps for its next generation combat shirt and the United States Army for its Level V wet weather parka.

