

STAY DRY[®] PLUS

60% Kevlar[®]
40% Nomex[®] IIIA



**BEST-IN-CLASS OUTER SHELL FABRICS WITH
STAY DRY[®] PLUS WATER REPELLANT FINISH**

CRUSADER[®] 790

Stay Dry Plus[®] is Difco's signature Water Repellent finish using an advanced fluorocarbon formulation. All Difco outershells are designed specifically to provide an initial line of defense against the heat and flames of a fire. They also offer exceptional strength and resistance to tears and abrasions.

Outershells made with Difco fabrics are designed using a variety of advanced FR fibers and in three distinct quality ratings: GOOD, BETTER and BEST to ensure you get the exact product to satisfy your requirements.

Features and Advantages:

- The Absolute Best Low Profile Rip Stop for Turn Out Gear today
- Excellent Durability
- Full Range of Colors
- Outstanding Thermal Protection
- Very Affordable
- Superb Strength and Abrasion
- Long Lasting Proven Dependability

End-Uses:

- Structural Firefighting
- Technical Rescue/Urban Search and Rescue
- Wild Lands and Forest Fire Fighting

Place swatch here
4.5" x 6"

Place swatch here
4.5" x 5"

Place swatch here
4.5" x 4"

Place swatch here
4.5" x 3"

Place swatch here
4.5" x 2"

CRUSADER®

by DIFCO

60% Kevlar®
40% Nomex® IIIA

STAY DRY PLUS®



TECHNICAL SPECIFICATIONS

Rev: 19031

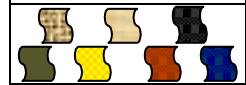
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TenCate Performance Fabrics cannot guarantee the suitability of its products for any particular purpose. Test results in respect of any particular item of product may vary. It's the sole responsibility of the user to perform all testing necessary to determine suitability of the product for user's applications.

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Crusader® 790		
Finish		
Stay Dry Plus®		
Weight		
7.5 oz/yd ² 254 g/m ²		
Fiber Content		
60% Kevlar® 40% Nomex® IIIA		
Weave		
Rip Stop		
Colors		
Tests	NFPA 1971 2007ed. Outer Shell - Component Test Section & Requirements	
Flame Resistance initial	ASTM D6413	
Afterflame (sec)	8.2	max. 2 sec
Char length (mm)		max. 100 mm 4.0"
Observations		shall not melt or drip
After 5 washes	ASTM D6413	
Afterflame (sec)	8.2	max. 2 sec
Char length (mm)		max. 100 mm 4.0"
Observations		shall not melt or drip
Thermal shrinkage resistance (%) initial	8.6	max. 10%
After 5 washes		
Heat resistance initial & After 5 washes	8.6	shall not melt, separate or ignite / shall not char
Cleaning shrinkage resistance (%)	AATCC 135 1 - V - Ai 8.25	max. 5%
Tear resistance N initial	ASTM D5587	min. 100 N 22 lbf
Tear resistance N After 5 washes	8.12	min. 100 N 22 lbf
Breaking strength (N) After 10 washes	ASTM D5034 8.50	min. 623 N 140 lbf
Water absorption resistance (%) initial & after 5 washes	8.26	max. 30%
Component Certified by UL for:	NFPA 1971 ed 07	yes
	CAN/CGSB 155.1	yes
	NFPA 1951 ed 07	no



Results	
Warp	Fill
0	0
19 mm 0.8"	20 mm 0.8"
complies	
Warp	Fill
0	0
18 mm 0.7"	17 mm 0.7"
complies	
< 2	< 1
< 1	< 1
complies	

DuPont™
Nomex. Kevlar.

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