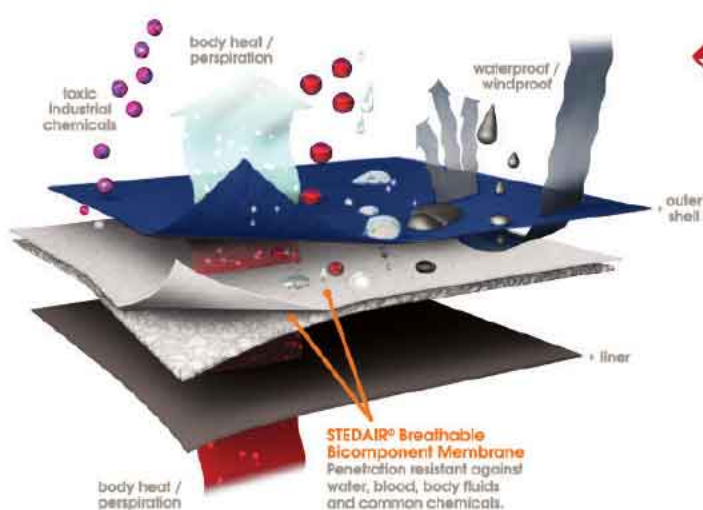




StedAIR®
COBALT

The ultimate chemical and flame resistant protection against flash fire and electric arc hazards



FEATURES AND BENEFITS:

- Certified NFPA 2112
- Arc Flash Protection – NFPA 70E Level 2
- Flame Resistant – ASTM F2733
- Resistant to viral and chemical penetration
- Compliant NFPA 1992
- Electric Arc Resistance
- Chemical Splash Resistance
- Flash Fire Resistance
- Excellent breathability
- Waterproof and windproof

Stedair® Cobalt- FR trilaminate combining Nomex® III A and a bi-component e-PTFE membrane

RECOMMENDED END USE APPLICATIONS

- Protective clothing for Emergency
- Medical Services
- Electric Arc hazard protective garment
- Urban search and Rescue protective clothing
- Chemical protective garments

CHEMICAL RESISTANCE

- Contact your account executive for the list of chemical protection



Specification

FR trilaminate combining Nomex® IIIA and ePTFE membrane

| | | |
|---|---|---|
| Weight | CAN/CGSB-4.2 method 5.1 | 8.3 osy |
| Hydrostatic Resistance | ASTM D751 | 50 psi |
| Water Vapor Diffusion as per MIL DTL 31011B | ASTM E96 Procedure B ASTM E96 Procedure BW | 625 GSM / 24 hrs 7200 GSM / 24 hrs |
| Flame Resistance-warp | ASTM D6 413 Initial and after 100 W | After flame: 2 sec max (avG 0.6) Char length: 4" max (avG 1.96) |
| Flame Resistance-weft | ASTM D6 413 Initial and after 100 W | After flame: 2 sec max (avG 0.6) Char length: 4" max (avG 2.4) |
| Arc Thermal Performance (ATPV) | ASTM F1959 | ATPV : 9 cal/cm ² HAF: 77 % EBTAS: 20 cal/cm ² |
| Total Heat Loss (THL) | ASTM F1868 part C | 540 W / m ² |
| Biopenetration Test | ASTM F1671 | Pass |
| Heat and Thermal Shrinkage | NFPA 2112 Initial and after 3 washes (500F for 5 min.) | Warp : max 10% (average : -2) Weft : max 10% (average : -1.5) |
| Flash Fire Exposure (Manikin Test) | ASTM F1930 % of body burn {2.0cal/cm ² /sec} @ 3sec | Max 50% body burn (average :10.39) |
| Thermal Protective Performance Spaced | NFPA 2112 | As received : Minimum 6 cal/cm ² (average :17.1) After 3W : Minimum 6 cal/cm ² (average :18.7) |
| Thermal Protective Performance Contact | NFPA 2112 | As received : Minimum 3 cal/cm ² (average :11.3) After 3W : Minimum 3 cal/cm ² (average :13.4) |



Navy



Orange



Khaki



Royal Blue



Red

SEAM SEALING

Stedair® Cobalt offers outstanding water and liquid resistance. Manufacturing garments will produce small holes in the fabric that will impact its protection. To ensure optimal protection, Stedfast offers to the manufacturer: specialized seam tapes, seam sealing equipment, daily set-up instructions and onsite assistance .

