

Chemical protective barriers designed for protection against liquid chemical splash.

Our chemical splash resistant fabrics withstand exposure to various chemicals without affecting their physical properties.

Product description

Stedair® moisture vapour permeable chemical splash laminate comprising of a polyester face fabric, Stedair® bicomponent ePTFE membrane, and polyester knit in combination offers protection for the end user from corrosive and harsh chemical splashes.

Stedair® Tungsten - Polyester fabric laminated to a breathable chemical protective ePTFE membrane

Features and benefits:

- Compliant to NFPA 1992-2018
- Chemical resistance testing as per ASTM F903
- Lightweight with exceptional comfort
- Superior tear and breaking strength

Stedair® chemical resistance

Chemical testing as per ASTM F903 - Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Liquids.





Specification

Moisture vapour permeable chemical splash laminate comprising of a polyester face fabric

INDUSTRIAL SAFETY
Chemical Splash Protection

COMPLIANCE
NFPA 1992-2018
ASTM F903
EPA Level B

			AVERAGE
Weight	ASTM D3776	7 osy	237
Tearing Strength after 25 wash@ 50°C	ASTM D5587	W: 36 N min. F: 36 N min.	54 66
Tensile Strength after 25 wash@ 50°C	ASTM D5034	W: 222.5 N min. F: 222.5 N min.	1060N 761N
Hydrostatic Resistance as received	ASTM D751	Face: 225 kPa min.	407
Washing Resistance	25 wash@ 50°C	No delamination	
Total Heat Loss	ASTM F1868-C	450 W/m ² min.	512
Water Absorption	AATCC 42	30% max.	28
Spray Test	ISO 4920 initial	100% min.	100
Water Vapor resistance	ASTM E-96 method BW	2800 g/m ² 4 hrs	

Chemical resistance (ASTM F903)

Acetone (100%)	Pass	> 60 minutes
Ethyl acetate	Pass	> 60 minutes
Sodium hydroxide	Pass	> 60 minutes
Sulphuric acid (93.1% w/w)	Pass	> 60 minutes
Tetrahydrofuran	Pass	> 60 minutes
Dimethylformamide	Pass	> 60 minutes
Nitrobenzene	Pass	> 60 minutes
Hydrochloric acid (37% w/v)	Pass	> 60 minutes
Hydrochloric acid (47% w/v)	Pass	> 60 minutes
Sodium cyanide (saturated 60 w/w)	Pass	> 60 minutes
Fluoro silicic acid (20-25% w/w)	Pass	> 60 minutes

Astm F903 test method procedure C

- 5 minutes at ambient pressure
- 1 min at 2 psi
- 54 minutes at ambient pressure

