



**StedAIR®**  
**Chemical  
Splash Barriers**

**StedAIR®**  
**TUNGSTEN**

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.

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

#### 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.

#### Product 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.

# StedAIR®

## Chemical Splash Barriers

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## TUNGSTEN

**INDUSTRIAL  
SAFETY**

Chemical Splash  
Protection

**COMPLIANCE**

NFPA 1992-2018  
ASTM F903  
EPA Level B

### Specification

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

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

#### ASTM F903 test method Procedure C

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

#### 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



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