



StedAIR®

**Moisture
Barriers**

StedAIR®
3000^D

**Reliability You Can Trust.
Durability When You Need It Most.**

Stedair® 3000D moisture barrier has a meta-aramid and para-aramid spunlace substrate with silicone rubber dots laminated to a bi-component polytetrafluoroethylene (PTFE) /polyurethane (PU) membrane matrix. The PU is exposed to minimize seam movement and seam delamination.

Stedair® 3000D meets and exceeds the requirements of EN 469 Level 2 and is additionally certified to AS 4967.



STEDAIR® 3000D product benefits:

- PTFE Bi-component technology incorporating proprietary Silicone DOT system
- Certified blood borne pathogen and viral resistance (ISO 16604)
- Certified resistance to EN 469 and AS 4967 challenge chemicals
- Superior abrasion resistance
- Unmatched water vapour resistance (ISO 11092)

Specification

Characteristics	Test Method	AS 4967 Requirement	Stedair® 3000D
Face Ignition**	ISO 15025(pa) After 5 wash-dry cycles	No specimen shall give hole formation No specimen shall give molten or flaming debris The mean value of the afterflame shall be ≤ 2s The mean value of the afterglow shall be ≤ 2s	No holes No molten or flaming debris 0.9s 0.3s
Heat Resistance	EN ISO 17493:2000 260°C for 5 mins After 5 wash-dry cycles	Materials shall not ignite or melt Shrinkage % < 5	No melt, drip, separation or ignition Shrinkage % = <1
Resistance to Water Penetration	EN 20811: 1992 (1996) After 5 wash-dry cycles	≥ 200cm	>400cm
Dimensional Change	EN ISO 5077:2008 The assembly is washed and the shrinkage of each individual component is assessed	Shrinkage % Max ± 3%	Shrinkage % L: < 1 % W: <2 %
Heat Transfer (Flame) **	ISO 9151:1995	HTI24 ≥17s HTI24-12 ≥ 4s	HTI24 ≥18s HTI24-12 ≥ 5s
Heat Transfer (Radiant) **	ISO 6942:2002 Method B using a Heat Flux of 40kW/m ²	t24 ≥22s t24+t12 ≥4s Mean T.F <60%	t24 ≥ 27s t24+t12 ≥ 8s Mean T.F ≤ 20%
Resistance to penetration by liquid chemicals **	EN ISO 6530:2005 1. 40% NaOH 2. 36% HCl 3. 30% H2SO4 4. 100% o-xylene	No penetration to innermost surface. Repellency rate > 80%	1. > 95 2. > 95 3. > 95 4. > 95 No penetration
Water Vapour Resistance (Ret) **	EN ISO 31092:1993	Level 1 > 30m ² .Pa/W Level 2 ≤ 30m ² .Pa/W	Barrier Only = < 8m ² .Pa/W Composite = < 15m ² .Pa/W

** tested in composite form