



# STEDAIR 3000e

## Product Description

Stedair 3000e moisture barrier material shall have a nominal weight of 145 GSM. The moisture barrier must contain a hydro entangled, fine aperture non woven substrate 91 GSM containing 85% Nomex ( Meta aramid) and 15 % Kevlar ( Para-aramid), laminated to a bicomponent polyurethane ( PU) polytetrafluoroethylene (PFTE) membrane matrix with the PU exposed to minimize seam movement and seam delamination.

The moisture barrier must meet and exceed the requirements of EN 469 level 2 and meet and be certified to NFPA 1971 – 2013 edition.

Specification	International System
<b>Heat Resistance</b> ISO 17493-260C, ISO 6330, 5 cycles 5AE	< 1.5%
<b>Dimensional Change</b> ISO 5077, ISO 6330, 5 cycles 5AE	W: - 3.0 % max. F: - 3.0 % max.
<b>Resistance to Water Penetration</b> EN 20811: 1992	Initial : > 45 kPa (Level 2) After 25W: > 45 kPa After heat: > 45 kPa After Dry cleaning: > 45 kPa
<b>Water Vapor Resistance</b> ISO 31092	Composite: < 30 m <sup>2</sup> .Pa/W (Level 2) Barrier only: <7 m <sup>2</sup> .Pa/W
<b>Flame Resistance</b> ASTMD 6413	After flame: 2 sec max. Char length: 100 mm No penetration
<b>Liquid Penetration Resistance</b> ASTMF 903- AFFF, Battery acid, Hydraulic fluid Fuel C, Chlorine solution	
<b>Flame Resistance</b> ASTMD 6413	After flame: 2 sec max. Char length: 100 mm No penetration
<b>Resistances to blood borne pathogens</b> ASTMF 1671	
<b>Total Heat Loss – Barrier only</b> ASTM F1868C	> 625 W/ m <sup>2</sup>
<b>Light degradation test</b> NFPA 1971-2013 , Para.8.61	Pass
<b>Synthetic blood</b> ASTM F 1670	Pass
<b>Moisture barrier: SEAMS</b>	
<b>Resistance to Water Penetration</b> EN 20811: 1992	> 20 kPa (Level 2)
<b>Resistances to blood borne pathogens</b> ASTM F1671 After 5W ISO 6330 2A + 1 drying 50C+ heat 180C	No penetration