



# STEDAIR 4000

## Product Description

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Nomex woven substrate laminated to a breathable ePTFE membrane. Nominal weight of 5.0 opsy.

## Product Benefits

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- Compliant to NFPA 1971-2007
- Waterproof
- Resistant to viral penetration
- Fire resistant
- Resistant to chemical penetration
- High breathability
- High THL
- Compliant to ASTM 1981

## Physical Properties

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Specification	NFPA 1971-2007	Imperial Unit
<b>Tear Resistance</b> NFPA 1971-2007	W: 5 lbs minimum F: 5 lbs minimum	W: 15 lbs F: 13 lbs
<b>Flame Resistance</b> NFPA 1971-2007	After flame: 2 sec maximum Char length: 4.0 inches maximum Not melt or drip	After flame: 0 sec Char length: 4 inches max. Melt or drip: no
<b>Heat and Thermal Shrinkage</b> NFPA 1971-2007	W: 10 % maximum F: 10 % maximum	W: - 3.0 % F: - 2.0 %
<b>Cleaning Shrinkage Resistance</b> NFPA 1971-2007	W: 5.0 % maximum F: 5.0 % maximum	W: - 2.0 % F: - 1.0 %
<b>Water Penetration Resistance</b> NFPA 1971-2007	25 psi minimum	45 psi
<b>Total Heat Loss*</b> NFPA 1971-2007	205 W/m <sup>2</sup> minimum	205 to 330 W/m <sup>2</sup>
<b>Thermal Protection Performance*</b> NFPA 1971-2007	35 cal /cm <sup>2</sup> minimum	35 to 60 cal /cm <sup>2</sup>
<b>Liquid Penetration Resistance</b> NFPA 1971-2007 (AFFF, Hydraulic fuel, Sulfuric acid, Chlorinated swimming pool chemical, Surrogated gasoline fuel C)	No penetration	No penetration
<b>Viral Penetration Resistance</b> NFPA 1971-2007	No penetration	No penetration

## Recommended End Use Applications

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- Moisture Barrier for Fire fighter turnout gear

\* Tested in composite form

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