

Coveralls and Boot Covers, Protective, PCB and Asbestos Work



1. Scope

This standard covers the requirements for disposable protective coveralls and boot covers.

This standard applies to the following Seattle City Light stock numbers:

Stock No.	Description
110348	Saranex Coverall with hood, Medium
110350	Saranex Coverall with hood, Large
110352	Saranex Coverall with hood, X-Large
110354	Saranex Coverall with hood, 2X-Large
110370	Saranex Boot Cover, LG/XL
014298	Saranex Boot Cover, 2XL
110362	Tyvek Coverall with hood, Medium
110364	Tyvek Coverall with hood, Large
110366	Tyvek Coverall with hood, X-Large
110367	Tyvek Coverall with hood, 3X-Large
110369	Tyvek Coverall with hood, 5X-Large
014604	Tyvek Coverall with hood, 6X-Large
110380	Tyvek Boot Cover

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2. Application

Saranex coveralls and boot covers are worn over clothing, providing a protective barrier against a range of chemical hazards such as PCBs. DuPont Tychem 4000 utilizes Saranex film laminated to Tyvek fabric, resulting in a strong material that resists many chemicals.

Tyvek coveralls and boot covers are worn over normal clothing, providing a protective barrier against hazardous dry particles and aerosols, and nonhazardous light liquid splashes. Tyvek coveralls maybe used in a variety of applications including general maintenance, asbestos and lead abatement, mold remediation, and environmental cleanups.

3. Requirements

3.1 Saranex Coveralls with Hood and Boot Cover

Saranex coveralls with hood shall have the following attributes:

- Zipper with taped flap
- Elastic at wrists and ankles
- Sealed and bound seams
- Saranex fabric
- Standard fit hood
- Tall sizing comes with additional 3 inches to arm and leg lengths

Saranex boot covers shall have the following attributes:

- Saranex fabric
- Sealed seams
- Elasticized ankles

Fabric shall have the following attributes:

Properties	Test Methods	Value
Thickness	ASTM D1777	12 mils
Basis Weight	ASTM D3776	3.6 oz/yd ²
Burst Strength - Mullen	ASTM D3786	73 psi
Breaking Strength - Grab (MD)	ASTM D5034	44 lbf
Breaking Strength - Grab (CD)	ASTM D5034	52 lbf
Wearing Apparel Flammability	16 CFR 1610	Class 1

3.2 Tyvek Coveralls with Hood and Boot Cover

Tyvek coveralls with hood shall have the following attributes:

- Zipper
- Elasticized wrists and ankles.
- Serged seams
- White Dupont Tyvek material, labeled "Tyvek"
- Respirator fit hood
- Tall sizing (3x-large) comes with additional 3 inches to arm and leg lengths

Tyvek boot covers shall have the following attributes:

- White Tyvek fabric
- Serged seams
- Elasticized ankles
- 18-inch height

Fabric shall have the following attributes:

Properties	Test Methods	Value
Thickness	ASTM D1777	5.9 mils
Basis Weight	ASTM D3776	1.2 oz/yd ²
Burst Strength - Mullen	ASTM D774	50 psi
Seam Strength	ASTM D1683	>19 lbf
Breaking Strength – Grab (MD)	ASTM D5034	18 lbf
Breaking Strength - Grab (CD)	ASTM D5034	22 lbf
Hydrostatic Head	AATCC 127	45 inches H ₂ O
Surface Resistivity (25°C / 55& RH)	ASTM D257	< 6.3 x 10 ⁹ ohms/square
Wearing Apparel Flammability	16 CFR 1610	Class 1

4. Packaging

Coveralls shall be packaged to prevent damage during shipping, handling, and storage.

Product	Quantity per box
Saranex coverall	12
Saranex boot cover	24
Tyvek coverall	25
Tyvek boot cover	100

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- Seattle City Light stock number

Shipping containers shall be legibly marked with:

- Seattle City Light purchase order number

5. Issuance

Stock Unit: EA

6. Approved Manufacturers

Saranex Coveralls with Hood and Boot Cover

Stock No.	Size	DuPont Catalog No.	Lakeland Catalog No.
110348	Coverall, Medium	SL127BWHMD001200	–
110350	Coverall, Large	SL127BWHLG001200	–
110352	Coverall, Extra-Large	SL127BWHXL001200	–
110354	Coverall, Double Extra-Large	SL127BWH2X001200	–
110370	Boot Cover, Large/Extra-Large	–	C2T740P – LG/XL
014298	Boot Cover, Double Extra-Large	–	C2T740P – 2X

Tyvek Coveralls with Hood and Boot Cover

Stock No.	Size	DuPont Catalog No.
110362	Coverall, Medium	TY127SWHMD002500
110364	Coverall, Large	TY127SWHLG002500
110366	Coverall, Extra Large	TY127SWHXL002500
110367	Coverall, Triple Extra Large	TY127SWH3X002500
110369	Coverall, Five Extra Large	TY127SWH5X002500
014604	Coverall, Six Extra Large	TY127SWH6X002500
110380	Boot Cover, One Size Fits All	TY454SWH00010000

7. References

16 CFR 1610; Standard for The Flammability Of Clothing Textiles

AATCC 127- 1968 (R2017); Water Resistance: Hydrostatic Pressure Test

ASTM D257-14; Standard Test Methods for DC Resistance or Conductance of Insulating Materials

ASTM D774- 97(2007); Standard Test Method for Bursting Strength of Paper (Withdrawn 2010)

ASTM D1683-17(2018); Standard Test Method for Failure in Sewn Seams of Woven Fabrics

ASTM D1777 - 96(2019); Standard Test Method for Thickness of Textile Materials

ASTM D3776-09(2017); Standard Test Methods for Mass Per Unit Area (Weight) of Fabric

ASTM D3786-18; Standard Test Method for Bursting Strength of Textile Fabrics
Diaphragm Bursting Strength Tester Method

ASTM D5034-09(2017); Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

8. Sources

www.dupont.com

www.kappler.com/products/z100xp

www.lakeland.com

SCL Stock Catalog page 11-73; April 12, 2011

SCL Stock Catalog Page 11-92; April 12, 2011

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