ōecoTEXTILES®

INDULGENT YET RESPONSIBLE

COLLECTION 2010 – 2011

BLOEDEL #70-5510

Oeko-Tex	Standard 100 Certified yarns.
LEED	Eligible for credits: indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	27% linen, 57% organic cotton, 16% viscose
Colorways	1
Width	64" wide / 162.5 cm wide
Weight	5.8 oz sq yard, 197 gm sq. meter
Country of Origin	Italy
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	12,000 Wyzenbeek (no change)
Colorfast to light	AATCC 16: class 4 to 5/ 60 hrs

ECO FACTS

Luscious Linen. This linen is grown in northern Italy without the use of herbicides, pesticides or synthetic fertilizers. The linen fibers we use in the yarn are "tow" or extremely long fiber strands.

Eco-Conscious Cotton. This organic cotton is certified by Control Union (www.controlunion.de) and grown in Peru by farmers who have received the Control Union organic certification (www.controlunion.com). The Peruvian organic cotton fields are appropriate for the region, a region with very high annual rainfall. This is an important consideration because even organic cotton is a very thirsty crop. Many places in the world where it has been grown have been inappropriate choices, producing a desert that is too alkaline – such as the environmental disaster around the Aral Sea. But you can feel great about encouraging the cultivation of our organic cotton.

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. They take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

TEST RESULTS

Bloedel is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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CHINOOK #70-6120

Oeko-Tex	Standard 100 Certified yarns.
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
ICEA	Dyes meet organic textile standards of ICEA (Italian Institute for Environmental and Ethical Certification)
Fiber Composition	51% long fiber linen, 49% long fiber hemp
Colorways	6
Width	64" wide/ 157.5 cm wide
Weight	4.6 oz sq yard; 158 gm sq. meter
Country of Origin	Italy
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Colorfast to light	British Light Fastness Standards # 2-6: 6 at 60 hrs *(scale of 1-8 with 5 as no change and pass)*

ECO FACTS

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. As with all our suppliers, they take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

TEST RESULTS

Chinook is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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HARDY ORGANIC HEMP #50-0002

ICEA	Dyes meet organic textile standards of ICEA (Italian Institute for Environmental and Ethical Certification)
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	100% long fiber hemp
Colorways	13
Width	59"/ 149.8 cm
Weight	8 oz square yard; 271 gm square meter
Country of Origin	Romania
Cal 117	Pass
British Match Test	Pass
Abrasion	12,000 Martindale (no change)
Colorfast to light	British Light Fastness Standards # 2-6: 6 at 60 hrs *(scale of 1-8 with 5 as no change and pass)*
Colorfastness to:	Laundering: 5 Dry Cleaning: 4.5 Water: 5 *(On a scale of 1 – 5, 1 = severe change, 5 = no change)*

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ECO FACTS

Grown Responsibly. The fibers were grown by independent Romanian farmers in an area of the country that has, for many generations, depended on the growing of hemp. These small families use no pesticides, insecticides, fungicides or synthetic fertilizers.

The harvest is dew or field retted: the farmers leave the stalks in the fields to allow dew and rain to break down the natural lignin. The Romanian rettery removes the fibers from the stalk that are then spun into yarn without chemicals, preserving the strength of the long fibers; chemical shortcuts can "cottonize" and weaken the fibers.

Dew or field retting is a labor-intensive and time-consuming job, so other farmers are turning to chemical retting. But by supporting our farmers, we're protecting the earth and helping to keep this traditional method alive.

Old-World Quality. The fibers are then moved to a local yarn spinning facility, where they are dry spun into yarn, using no water or chemical inputs of any kind.

At the mills, artisans take great pride in creating lively fabrics, full of character. Since the mill dates from long before the Communist era, modern techniques, including chemical supports, have not been implemented.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

Our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards; it can also certify that it's dye processes are GOTS (Global Organic Textile Standard).

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

TEST RESULTS

Hardy Organic Hemp is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

IDEAL UPHOLSTERY FABRIC #40-6010

LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	33% hemp, 19% linen, 21% ramie, 27% organic cotton
Colorways	16
Width	57“ / 144.8 cm
Weight	15.2 oz sq yard; 515 gm square meter
Country of Origin	China
Cal 117	Pass
British Match Test	Pass
Abrasion	37,000 Martindale (no change)
Colorfast to light	British Light Fastness Standards # 2-6: 6 at 60 hrs *(scale of 1-8 with 5 as no change and pass)*

ECO FACTS

Eco-Conscious Producer. The cotton is certified organic by the Control Union (www.controlunion.de). The hemp, ramie and flax (linen) are grown sustainably in northern China in fields that are owned by the Chinese mill that also spins the yarn and weaves the fabric.

The mill cleans, monitors and controls their wastewater. The mill has been certified as meeting the requirements of ISO 9001:2000 which, in this case, means that they have acceptable wastewater treatment and that they open themselves to certification by third party inspectors, including us. We have a Mandarin speaking partner, an agronomist and internationally recognized expert, who monitors the activities of the mill.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified “organic textile.” Being an “organic textile,” means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

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LOPEZ #70-6110

Oeko-Tex	Standard 100 certified yarns
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	50% long fiber hemp, 50% long fiber linen
Colorways	1
Width	66.9" / 170 cm
Weight	6.3 oz sq yd/ 214 gm sq meter
Country of Origin	Italy
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	5,000 Martindale
Colorfast to light	AATCC 16: Class 4.0/60 hrs.

ECO FACTS

Green Farmers. The hemp and linen is grown without the use of herbicides, pesticides or synthetic fertilizers. The fibers we use in the yarn are "tow" or extremely long fiber strands.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

TEST RESULTS

Lopez is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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NORTHERN LIGHTS #80-5222

LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	100% bamboo pile; 56% organic cotton, 44% bamboo
Colorways	9
Width	54" / 137 cm
Weight	10 oz sq yd/ 345 gms sq meter
Country of Origin	Great Britain

ECO FACTS

Belgian Bamboo. The bamboo yarns used in this fabric are manufactured in Belgium by one of Europe's largest organic cotton suppliers. The production of the yarns causes a small amount of air pollution because of chemical reactions, and a small percentage of this is released into the air. Their water treatment is thorough, and yields pristine water.

British Mill. The velvet is woven by a mill in Great Britain which has been producing fine velvets for over 100 years. Although the production of velvet is complex – consisting of two warp yarns and a fill yarn – this mill agreed to experiment with bamboo and organic cotton yarns, and after a few tries were able to produce this fine velvet. They were also enthusiastic participants in greening the steps they could: for example, they switched the sizer they used to potato starch and they improved their wastewater treatment.

Exceptional Standards. The fabric is softened and dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

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OZETTE #70-2120

Oeko-Tex	Standard 100 certified yarns
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	100% long fiber linen
Colorways	4
Width	66.9" / 170 cm
Weight	6.8 oz sq yd / 230 gm sq meter
Repeat	H: 1.5" / 3.8 cm
Country of Origin	Italy
Colorfast to light	AATCC 16: class 4.0 at 60 hrs.

ECO FACTS

Luscious Linen. This linen is grown in northern Italy without the use of herbicides, pesticides or synthetic fertilizers. The linen fibers we use in the yarn are "tow" or extremely long fiber strands.

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. They take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals found in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

TEST RESULTS

Ozette is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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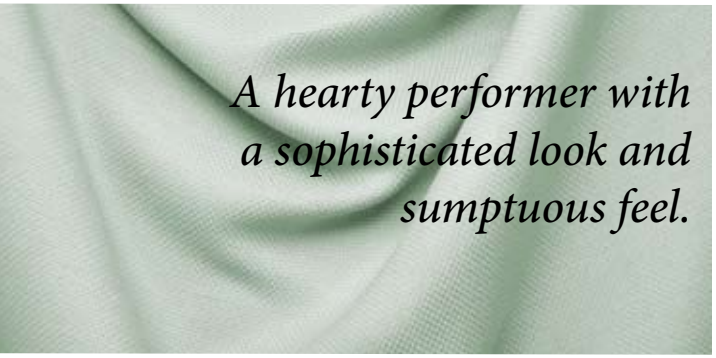

QUILCENE #20-5000

Carbon-neutral production.

Oeko-Tex	Standard 100 certified fabric
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	54% bamboo, 46% organic cotton
Colorways	8
Width	54“ / 137 cm
Weight	13.2 oz sq yard; 448 gm square meter
Country of Origin	Japan
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	40,000 Martindale with application of Cradle to Cradle certified finish; 10,000 without finish
Colorfast to light	AATCC 16: 4 at 60 hrs.
Wet / dry crock	4.5 wet, 5.0 dry

ECO FACTS

Benign Bamboo. The bamboo fibers used in the yarns are grown in China using sustainable farming methods and harvesting techniques which do not threaten Panda habitat.

The bamboo is sent to our Japanese yarn manufacturer who developed a new viscose production method that is environmentally responsible. Manufacturing viscose requires use of a sulfuric acid bath; although the resulting yarn is non-toxic (ours is Oeko-Tex 100 certified, and safe enough to eat), the waste could create an environmental hazard.

However, our enlightened manufacturer uses bacteria and enzymes to neutralize the sulfuric acid, as well as not using another common chemical in the process (sodium hydroxide) and thereby returns wastewater to the ecosystem that meets stringent Japanese drinking water standards. There is some out gassing of the sulfuric acid to the air – air pollution. As demand for our bamboo grows, our spinner will afford to address this issue as well. All in all, even with the slight outgassing into the air, we believe our bamboo is a very important addition to the world’s fiber set. Fully 97% of the world’s fiber needs are currently met by synthetic fibers or conventional cotton—both of which are environmental disasters. Bamboo, the plant, is a strongly positive carbon choice.

Eco-Conscious Cotton. This organic cotton is certified by Control Union (www.controlunion.de) and grown in Peru by farmers who have received the Control Union organic certification (www.controlunion.com). The Peruvian organic cotton fields are appropriate for the region, a region with very high annual rainfall. This is an important consideration because even organic cotton is a very thirsty crop. Many places in the world where it has been grown have been inappropriate choices, producing a desert that is too alkaline – such as the environmental disaster around the Aral Sea. But you can feel great about encouraging the cultivation of our organic cotton.

Proud Partner. A dedicated conservationist owns the small mill in Japan where these yarns are woven into fabric. In his state-of-the-art mill, each step of the process has been carefully analyzed to ensure that it is environmentally sound.

Our partner has been among the first to try new green processes, such as using ozone to bleach fabric (in which the only by product is oxygen). He uses only low impact fiber reactive dyes which contain no heavy metals or aromatic amines and which meet GOTS standards. His factory is powered 100% by the wind. Although there is no wind generator on the premises, he buys wind power from a wind farm north of the mill.

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RAINIER #60-1400

Fiber Composition	100% non-mulesed Australian Eco wool, certified by Australian Certified Organic (ACO) to EU2092/91 organic standards.	
Oeco Tex 100	Dyestuffs are Oeko Tex 100 compliant.	
Colorways	9	
Width	54", 137 cm	
Weight	13.5 oz sq. yd / 383 gm sq. meter	
Country of Origin	Australia (wool) , China (processing)	
Cal 117	Pass	
NFPA 701	Pass	
NFPA 260	Pass	
Abrasion	60,000 Wyzenbeek	
Colorfast to Light	4+ at 60 hrs.	*AATCC Method 16E*
Seam Slippage	25 lbs +	*ASTM D434*
Crocking	Dry: 5 Wet: 4.5	*AATCC Method 8* *AATCC Method 8*
Pilling	3+	*ASTM D4970-05*
Soil/stain/ water/FR:	Treated with GreenShield FR™: The chemicals used have been assessed by MBDC to contain no PBDEs, carcinogens, mutagens, endocrine disruptors or other chemicals known to harm human health. The fabric would be eligible for SILVER Cradle to Cradle™ certification.	

ECO FACTS

Eco-Conscious Producer. There are few ranches in the world that are capable of managing herds which qualify for Eco wool certifications: The European organic standards (EU 2092/91) are among the strictest in the world. Environmental standards for stock raising are stringent; the ratio of head to acerage is low. No synthetic inputs are used on the livestock – no dips, drenches, pesticides or routine antibiotic treatments are used. Scouring of the wool is done using only hot water and biodegradeable detergents; scouring water is recovered and used for agriculture.

In addition to the EU organic designation, the growers who supplied this wool have changed their practices or ceased mulesing. They are stewards, farming for the future.

Exceptional Standards. This luxurious fiber is treated with the respect it deserves: The fabric is produced in a facility which treats its wastewater to Chinese "1A" standards, among the strictest in the world, where workers are treated honestly and fairly. The weaving is done in compliance with GOTS (Global Organic Textile Standards) – for example, formaldehyde, AOX, chlorophenols, and complexing agents are prohibited and dyestuffs are Oeko Tex 100 compliant, free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

WOOL FACTS

A gorgeous, fine wool sateen, our virgin wool fiber, at just 19 microns in size, is made without any chemicals which can harm you or the ecosystem. And it is from non-mulesed sheep. The fiber is crafted into a durable, hard working fabric that can withstand the rigors of commercial applications while also providing the exceptional benefits of using wool:

- Wool improves air quality by absorbing and retaining VOCs such as formaldehyde.
- Wool breathes and helps regulate humidity.
- Wool is a rapidly renewable, sustainable resource.
- At end of life, wool biodegrades – and none of the chemicals used in producing the fabric can hurt you or your ecosystem.
- Good animal husbandry practices sequester carbon and help reduce the level of greenhouse gasses in the atmosphere while at the same time replenishing and renewing grassland soils.

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ROGUE RIVER #50-0003

LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation; Passed predictive test to meet GreenGuard™ standards for chemical emissions.
Fiber Composition	100% long fiber hemp
Colorways	4
Width	60", 152.4 cm
Weight	11.8 oz sq. yd / 400 gm sq. meter
Country of Origin	Romania
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	12,000 Wyzenbeek (no change)
Wet / Dry Crocking	4.5 wet/4.5 dry
Colorfast to light	British Light Fastness Standards # 2-6: 6 at 60 hrs *(scale of 1-8 with 5 as no change and pass)*

ECO FACTS

Grown Responsibly. The fibers were grown by independent Romanian farmers in an area of the country that has, for many generations, depended on the growing of hemp. These small farmers use no pesticides, insecticides, fungicides or synthetic fertilizers.

The harvest is dew or field retted the farmers leave the stalks in the fields to allow dew and rain to break down the natural lignin. The Romanian rettery removes the fibers from the stalk that are then spun into yarn without chemicals, preserving the strength of the long fibers; chemical shortcuts can "cottonize" and weaken the fibers.

Dew or field retting is a labor-intensive and time-consuming job, so other farmers are turning to chemical retting. But by supporting our farmers, we're protecting the earth and helping to keep this traditional method alive.

Old-World Quality. The fibers are then moved to a local yarn spinning facility, where they are dry spun into yarn, using no water or chemical inputs of any kind.

At the mills, artisans take great pride in creating lively fabrics, full of character. Since the mill dates from long before the Communist era, modern techniques, including chemical supports, have not been implemented.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

TEST RESULTS

Rogue River is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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ROSS LAKE #70-4520

Oeko-Tex	Standard 100 certified yarns
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation; Passed predictive test to meet GreenGuard™ standards for chemical emissions.
Fiber Composition	100% long fiber linen
Colorways	1
Width	Double width: 133.9" / 340 cm
Weight	7.4 oz sq yd; 251 gms sq meter
Country of Origin	Italy

ECO FACTS

Luscious Linen. This linen is grown in northern Italy without the use of herbicides, pesticides or synthetic fertilizers. The linen fibers we use in the yarn are "tow" or extremely long fiber strands.

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. They take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals found in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

TEST RESULTS

Ross Lake is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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SHOTO #70-4520

LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation; Passed predictive test to meet GreenGuard™ standards for chemical emissions.
Fiber Composition	100% long fiber hemp
Colorways	2
Width	57" / 144.8 cm
Weight	17.4 oz sq yd / 590 gm sq meter
Repeat	H: 1.25" / 32 cm
Country of Origin	Romania
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	30,000 Martindale with application of Cradle to Cradle certified finish; 10,000 Martindale without finish
Colorfast to light	AATCC 16: 5 at 60 hrs. for Limewash; Natural: 3 at 40 hrs.

ECO FACTS

Grown Responsibly. The fibers were grown by independent Romanian farmers in an area of the country that has, for many generations, depended on the growing of hemp. These small families use no pesticides, insecticides, fungicides or synthetic fertilizers.

The harvest is dew or field retted: the farmers leave the stalks in the fields to allow dew and rain to break down the natural lignin. The Romanian rettery removes the fibers from the stalk that are then spun into yarn without chemicals, preserving the strength of the long fibers; chemical shortcuts can "cottonize" and weaken the fibers.

Dew or field retting is a labor-intensive and time-consuming job, so other farmers are turning to chemical retting. But by supporting our farmers, we're protecting the earth and helping to keep this traditional method alive.

Old-World Quality. The fibers are then moved to a local yarn spinning facility, where they are dry spun into yarn, using no water or chemical inputs of any kind.

At the mills, artisans take great pride in creating lively fabrics, full of character. Since the mill dates from long before the Communist era, modern techniques, including chemical supports, have not been implemented.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

TEST RESULTS

Shoto is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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TACOMA #50-0000

LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/ or innovation; Passed predictive test to meet GreenGuard™ standards for chemical emissions.
Fiber Composition	100% long fiber hemp
Colorways	4
Width	57" / 144.8 cm
Weight	16.2 oz sq yd / 549 gm sq meter
Country of Origin	Romania
Cal 117	Pass
NFPA 701	Pass (with application of fire retardant)
Abrasion	25,000 Martindale
Colorfast to light	AATCC 16: 5 at 60 hrs. for Limewash; Natural: 3 at 40 hrs.
Wet / dry crock	4.5 wet/ 4.5 dry

ECO FACTS

Grown Responsibly. The fibers were grown by independent Romanian farmers in an area of the country that has, for many generations, depended on the growing of hemp. These small farmers use no pesticides, insecticides, fungicides or synthetic fertilizers.

The harvest is dew or field retted: the farmers leave the stalks in the fields to allow dew and rain to break down the natural lignin. The Romanian rettery removes the fibers from the stalk that are then spun into yarn without chemicals, preserving the strength of the long fibers; chemical shortcuts can "cottonize" and weaken the fibers.

Dew or field retting is a labor-intensive and time-consuming job, so other farmers are turning to chemical retting. But by supporting our farmers, we're protecting the earth and helping to keep this traditional method alive.

Old-World Quality. The fibers are then moved to a local yarn spinning facility, where they are dry spun into yarn, using no water or chemical inputs of any kind.

At the mills, artisans take great pride in creating lively fabrics, full of character. Since the mill dates from long before the Communist era, modern techniques, including chemical supports, have not been implemented.

Exceptional Standards. The fabric is softened, bleached and/or dyed at our Italian dye house, which is one of relatively few houses in the world that is qualified to produce a dyed or finished fabric which can be a certified "organic textile." Being an "organic textile," means not just that a fabric uses organic fibers in the yarn, but that every step of the production process has been certified eco-friendly.

For those who are interested, our dye house has received the Italian Institute for Ethical and Environmental Certification (ICEA) for adherence to to AIAB (Italian Association for Biological Agriculture) standards.

Safe, Low-Impact Dyes. We invested more than two years of research in our dyes in order to achieve color consistency, colorfastness and complete absence of toxicity. The dyes meet EU and Global Organic Textile Standards to be free of AZO colorants (a cancer causing toxin that is used in many dyes), heavy metals and aromatic amines and the dyestuffs are completely biodegradable (except for some of the blues which can contain copper).

Eco-Softness. The fabrics are softened with a combination of beeswax, aloe vera and vitamin E.

TEST RESULTS

Tacoma is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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TONASKET #20-5000

GOTS	Certified organic textile by Control Union to Global Organic Textile standards.
LEED	Eligible for credits indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	100% long fiber linen
Colorways	4
Width	54" / 137.2 cm
Weight	10.3 oz sq yd; 350 gm sq meter
Repeat	H: 15.7 "/ 40 cm; V: 19.7", 50 cm
Country of Origin	Chile
Cal 117	Not tested
NFPA 701	Pass (with application of fire retardant)
Abrasion	25,000 Wyzenbeek

ECO FACTS

Chilean Mill. The fibers were grown sustainably in Belgium, and spun into yarn and woven at a family-owned mill in Chile where the owners are in the process of transferring their considerable production facilities to entirely green processes. The ginning and spinning is certified by Control Union according to EU standard 2092/91.

The mill owners have been steadfastly putting Global Organic Textile Standards into place and are now fully compliant. They intend to exceed GOTS standards on occasion. For instance, they recently changed from using carbomxymethylcellulose as a sizer (which is allowed under Global Organic Textile Standard 2.3.5) to potato starch, a more eco-friendly choice. All dyes are free of heavy metals, AZO colorants and aromatic amines, and all wastewater is certified pure by independent auditors.

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TYEE #70-9510

Oeko-Tex	Standard 100 Certified yarns.
LEED	Eligible for credits: indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	83% long fiber linen, 17% silk
Colorways	4
Width	Double width: 133.9" / 340 cm
Weight	3.8 oz sq yd / 120 gm sq meter
Repeat	H: 7.6" / 19.3 centimeters
Country of Origin	Italy
Colorfast to light	AATCC 16: 4 at 60 hrs

ECO FACTS

Luscious Linen. This linen is grown in northern Italy without the use of herbicides, pesticides or synthetic fertilizers. Called "bio linen" in Italy, it will qualify for "organic" certification. The linen fibers we use in the yarn are "tow" or extremely long fiber strands.

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. They take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals found in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

TEST RESULTS

Tyee is predicted to meet GreenGuard standards. It was tested by an ISO 9001:2000 registered IAQ (Indoor Air Quality) testing lab, which measured the out-gassing of nasty chemicals. Our results were very impressive, well below limits set by the USGBC to allow fabrics to accrue LEED points for low emitting materials.

This test, a combination of gas chromatograph/mass spectrometry and high performance liquid chromatography, lasts for 24 hours. A small piece of fabric is placed in a closed chamber. The chemicals out-gassed for the first 24 hours at a given temperature and pressure are extrapolated to predict the results for the equivalent of a room volume. Based on decay rates for various chemicals, the test predicts the results after 168 hours (the GreenGuard requirement). So based on those parameters, and the results you see below, our fabrics passed with flying colors.

The LEED threshold and our actual results are:

Chemical measured	LEED requirement	O Ecotextiles Fabric Group #1	O Ecotextiles Fabric Group #2
TVOC - Total Volatile Organic Compounds	.25 mg/m^3	.048 mg/m^3	.02 mg/m^3
HCHO (formaldehyde)	25 parts per billion	<1 part per billion	<1 part per billion
Total aldehydes	50 parts per billion	<1 part per billion	1 part per billion

We're happy to send you more detailed lists of the 22 chemicals actually tested and not just the grouping of the chemical categories should you want it.

Group 1 Fabrics: Bloedel, Chinook, Lopez, Ozette, Ross Lake, Tyee
Group 2 Fabrics: Shoto, Tacoma, Rogue River, Hardy Organic Hemp

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ULTIMATE FLOPPY LINEN #70-2010

Oeko-Tex	Standard 100 certified yarns
LEED	Eligible for credits: indoor air quality, use of rapidly renewable resources, and/ or innovation; Passed predictive test to meet GreenGuard™ standards for chemical emissions.
Fiber Composition	100% long fiber linen
Colorways	8
Width	66.9" / 170 cm
Weight	6.7 oz sq yd/ 227 gm sq meter
Country of Origin	Italy
Cal 117	Not tested
NFPA 701	Not tested but predicted to pass with fire retardant application
British Match test	Pass (with fire retardant application)
Colorfast to light	British Light Fastness Standards # 2-6: 6 at 60 hrs *(scale of 1-8 with 5 as no change and pass)*

ECO FACTS

Luscious Linen. This linen is grown in northern Italy without the use of herbicides, pesticides or synthetic fertilizers. The linen fibers we use in the yarn are "tow" or extremely long fiber strands.

Certified Safe. The fibers are spun into yarn and dyed in northern Italy by a spinner who has earned the "Master of Linen" designation. These craftspeople use only low-impact fiber reactive dyes that have no chemical toxicity. They take care to treat their wastewater so that it does not contaminate the local environment.

These yarns are certified by Oeko-Tex to Standard 100. Oeko-Tex is a third party certifier; it measures the chemicals found in fabrics which are known to impact human health. Their standard 100 is the most stringent, which means these yarns are safe enough for infants to put in their mouths.

Old-World Methods. The yarns are woven into the fabric at a mill in southern Italy that has been in the same location for over 100 years. This mill uses absolutely no sizers or de-sizers, in fact it uses no chemicals at all throughout their production process, avoiding chemical baths that degrade the yarn's quality and inherent strength.

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WAHKEETNA #10-3033

GOTS	Certified an organic fabric by Control Union to Global Organic Textile Standards.
LEED	Eligible for credits: indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	100% organic cotton
Colorways	4
Width	54” /137.2 cm
Weight	22 oz sq yd / 750 gm sq meter
Country of Origin	Chile
Cal 117	Not tested
NFPA 117	Pass (with application of fire retardant)
Abrasion	30,000 Wyzenbeek

ECO FACTS

Eco-Conscious Cotton. This organic cotton is certified by Control Union (www.controlunion.de) and grown in Peru by farmers who have received the Control Union organic certification (www.controlunion.com).The Peruvian organic cotton fields are appropriate for the region, a region with very high annual rainfall. This is an important consideration because even organic cotton is a very thirsty crop. Many places in the world where it has been grown have been inappropriate choices, producing a desert that is too alkaline – such as the environmental disaster around the Aral Sea. But you can feel great about encouraging the cultivation of our organic cotton.

Chilean Mill. The fibers were spun into yarn and woven at a family-owned mill in Chile where the owners are in the process of transferring their considerable production facilities to entirely green processes. The ginning and spinning is certified by Control Union according to EU standard 2092/91.

The mill owners have been steadfastly putting Global Organic Textile Standards into place and are now fully compliant. They intend to exceed GOTS standards on occasion. For instance, they recently changed from using carbomxymethylcellulose as a sizer (which is allowed under Global Organic Textile Standard 2.3.5) to potato starch, a more eco-friendly choice. All dyes are free of heavy metals, AZO colorants and aromatic amines, and all wastewater is certified pure by independent auditors.

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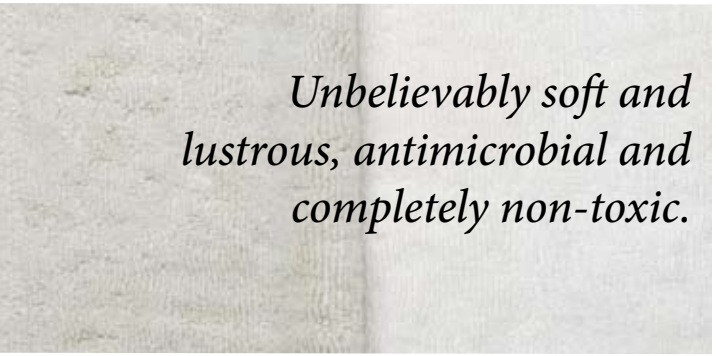

Unbelievably soft and lustrous, antimicrobial and completely non-toxic.

Carbon-neutral production.

Oeko-Tex	Standard 100 certified fabric
LEED	Eligible for credits: indoor air quality, use of rapidly renewable resources, and/or innovation.
Fiber Composition	85% bamboo, 25% organic cotton
Colorways	4
Width	54" / 137 cm
Weight	23.8 oz sq yard / 807 grams square meter
Country of Origin	Japan

WILLAPA #20-5100

ECO FACTS

Benign Bamboo. The bamboo fibers used in the yarns are grown in China using sustainable farming methods and harvesting techniques which do not threaten Panda habitat.

The bamboo is sent to our Japanese yarn manufacturer who developed a new viscose production method that is environmentally responsible. Manufacturing viscose requires use of a sulfuric acid bath; although the resulting yarn is non-toxic (ours is Oeko-Tex 100 certified, and safe enough to eat), the waste could create an environmental hazard.

However, our enlightened manufacturer uses bacteria and enzymes to neutralize the sulfuric acid, and thereby returns wastewater to the ecosystem that meets stringent Japanese drinking water standards. There is some out gassing of the sulfuric acid to the air – air pollution. As demand for our bamboo grows, our spinner will afford to address this issue as well. All in all, even with the slight outgassing into the air, we believe our bamboo is a very important addition to the world's fiber set. Fully 97% of the world's fiber needs are currently met by synthetic fibers or conventional cotton—both of which are environmental disasters. Bamboo, the plant, is a strongly positive carbon choice.

Eco-Conscious Cotton. This organic cotton is certified by Control Union (www.controlunion.de) and grown in Peru by farmers who have received the Control Union organic certification (www.controlunion.com). The Peruvian organic cotton fields are appropriate for the region, a region with very high annual rainfall. This is an important consideration because even organic cotton is a very thirsty crop. Many places in the world where it has been grown have been inappropriate choices, producing a desert that is too alkaline – such as the environmental disaster around the Aral Sea. But you can feel great about encouraging the cultivation of our organic cotton.

Proud Partner. A dedicated conservationist owns the small mill in Japan where these yarns are woven into fabric. In his state-of-the-art mill, each step of the process has been carefully analyzed to ensure that it is environmentally sound.

Our partner has been among the first to try new green processes, such as using ozone to bleach fabric (in which the only by product is oxygen). He uses only low impact fiber reactive dyes which contain no heavy metals or aromatic amines and which meet GOTS standards. His factory is powered 100% by the wind. Although there is no wind generator on the premises, he buys wind power from a wind farm north of the mill.

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