

ISA TanTec[™], a business unit in ISA Group, manufactures **LITE** (Low Impact **T**o the Environment) leather with our commitment to minimize negative environmental impacts. Sustainability is an important part of ISA group's identity. In 2003, ISA group developed the LITE concept which defines a high standard of environmental sustainability in the manufacturing process.

LITE Features



Bamboo Wall

Rarely seen in traditional tanneries, the use of bamboo walls naturally ventilates the entire production facility with a constant breeze of fresh air to save air condition in hot geographic area.



Solar System

We make use of renewable solar thermal energy to replace diesel fuel, which is traditionally used to heat up water for the tanning process. Approx. 65% of hot water is heated with solar energy.



Rain Lagoon

To limit the impact on the local communities, we minimize the usage of municipal water by the collection of rainwater for production and greenery. Approx. 25,000 m³ of rainwater is collected by our lagoon per year.



Wind Energy

We use wind energy to generate green energy which allows rainwater to be pumped from the lagoon into production.



Natural Light

Opaque light panels used in the ceiling of production floors to maximize the use of natural lighting during the day. During days without sunshine, LED light bulbs are used to illuminate the production floor. This saves more than approx. 2,600 production hours of lighting every year.



Wetland

Our engineered wetlands allow a natural purification process of our wastewater without generating emissions. Our treatment facilities are unique in the industry due to the amount of planning, innovation and investment involved. Each wetland is set up with an automated water level control system for optimal wastewater treatment.

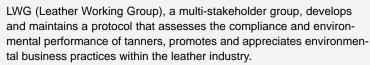
Environmental Impact



Compare the energy and water savings of ISA products when choosing leathers for adoption. The choice you make can positively influence the impact to the environment!

Article	LITE Water Savings (L/SF)	LITE Energy Savings (MJ/SF)
Breathe Easy WP SS GT	8.17	2.56
Century	9.27	2.55
Cumulo	8.63	2.62
Dynasty	9.36	2.77
Inspire	8.12	2.31
Kaleidoscope Dull	7.10	0.28
Plunge	9.32	2.63
Riverdale #47	9.08	2.38
Sarda	9.65	3.15
Skylark	8.66	2.70
Spectrum	9.41	2.06
Spectrum #35	9.41	2.44

The numbers are showing the energy and water an article will save per square foot, comparing to the Bronze Rate (65%) in the latest LWG Protocol of 50.4 MJ/m² (4.68 MJ/sqf) for energy consumption and 134.1 L/m² (12.46 L/sqf) for water consumption.







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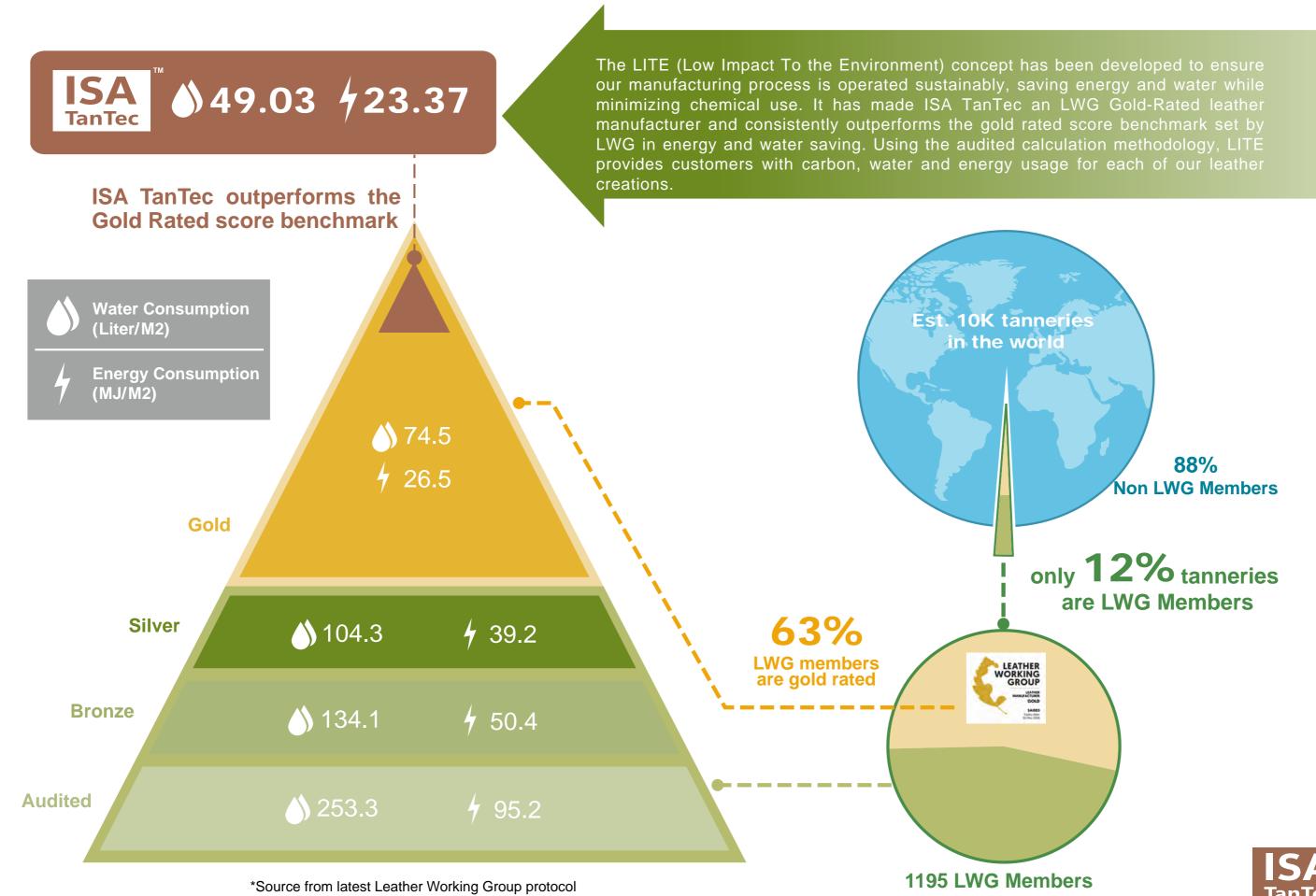
Discover more about Greener Pastures™

Hide Traceability to Birth Farm **Beef Quality Assurance Certification Beef Quality Assurance Transportation USDA Humane Handling** 100% Vegetarian Diet





LWG Environmental Audit Protocol



WHY CHOOSE LEATHER FROM ISA?

We know you have countless choices for your leather sourcing needs. We always appreciate your partnership and below are just a few of the advantages you get by sourcing your leather from ISA.





WHY CHOOSE HYPHALITETM FROM ISA?

Sustainability and responsible manufacturing processes have been at the core of our business model since LITE's inception in 2003. Built on this foundation, a revolutionary bio based material, HyphaLite™ was developed as a sustainable alternative to plastic. Below are just a few of the advantages you get by sourcing your bio based material from ISA.







CORE COLOR

Black

Charcoal Gray 18-0601 TPG 012-43-00

Dove 15-0000 TPG 025-68-03

Brunette 19-1235 TPG 021-33-12

Demitasse 19-0712 TPG 029-25-07

Clove 18-1320 TPG 020-43-11

Monk's Robe 18-1048 TPG 029-34-19

Starfish 16-1120 TPG 035-62-11

Fossil 17-0909 TPG 028-47-06

Leather Brown 18-1142 TPG 025-42-24

Madder Brown 19-1331 TPG 014-27-19

Peacoat 19-3920 TPG 126-21-11

Cashew 17-1137 TPG 027-51-19

Olive Night 19-0515 TPG 049-33-06

SEASONAL COLOR

Aegean Blue 18-4320 TPG 107-45-10

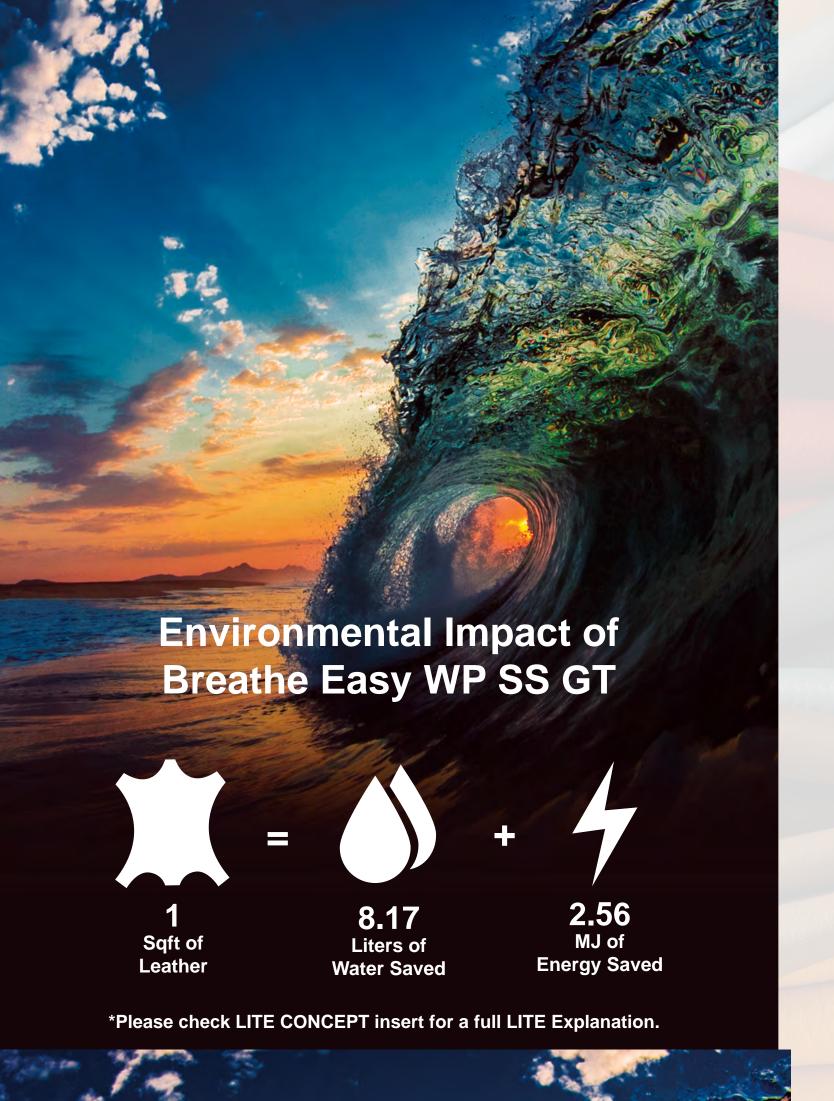
Peach Nougat

Honey Gold

Ginger Spice 18-1535 TPG 016-48-22









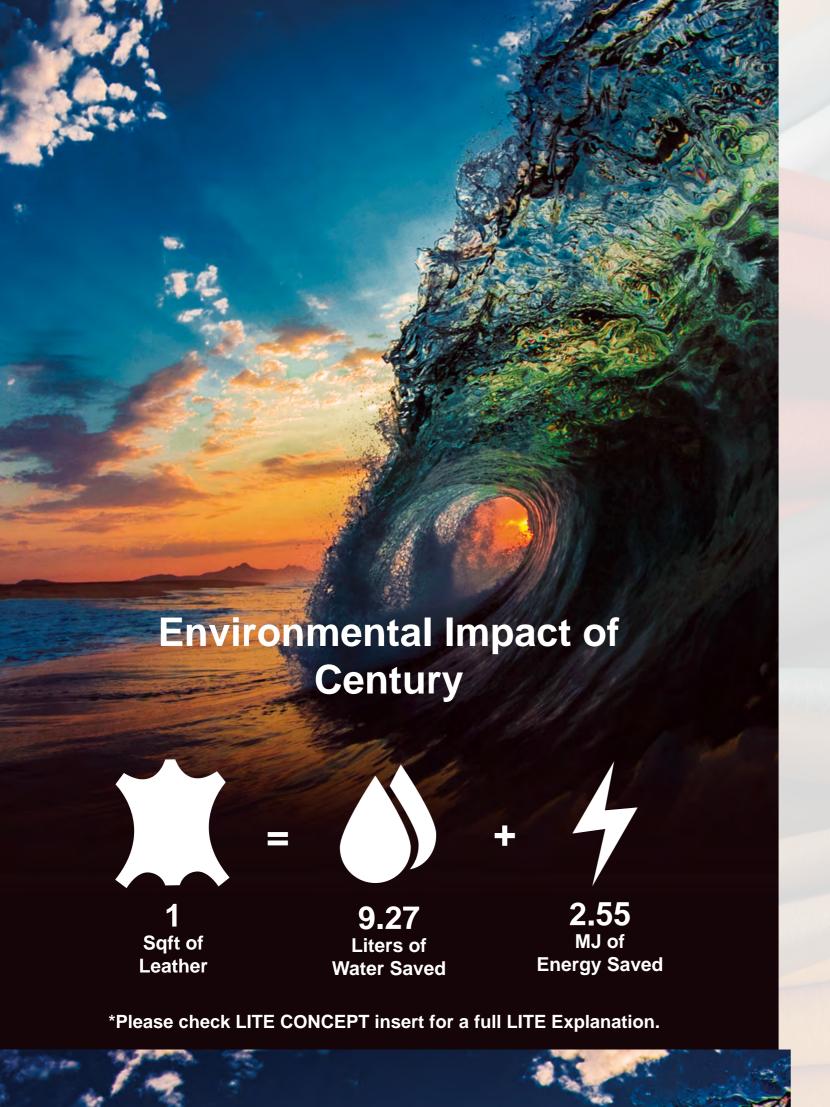
Breathe Easy WP SS GT



PRODUCT FEATURES: A smooth, full grain clean surface in a high performance leather. BREATHE EASY WP is salt resistant, breathable and dries quickly. Great for all outdoor footwear!



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.0 (+/- 0.5) @25mm	Medium - Dark	1.2 - 2.0mm	12%
Milling Pattern	Shoe Finishing Suggestion	Waterproof ⊻ Non Waterproof □	Available on Greener Pastures™ (GP) or Regenerative Hides?
Smooth	No finishing needed.	Waterproof Spec:15,000 Flexes. Absorpsion: 20% after 15,000 Flexes. Wicking: 10mm after 1 hour. • Non waterproof version is not available.	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



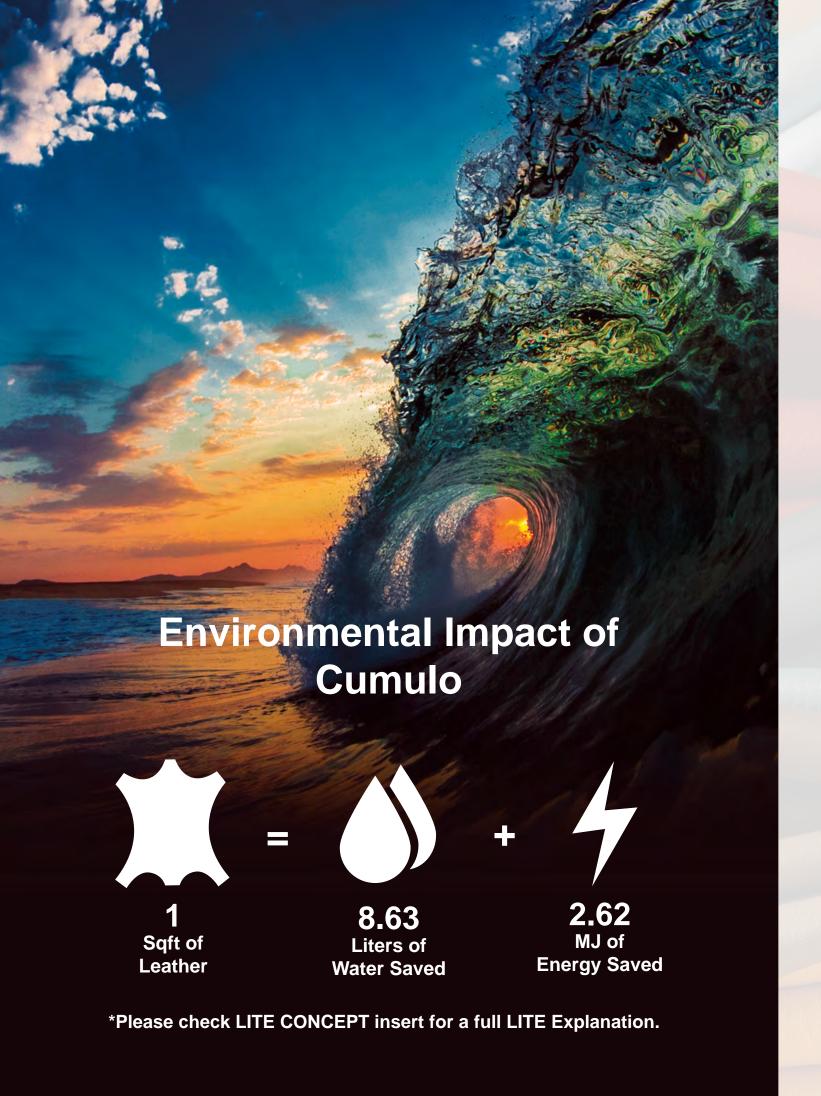


Century

PRODUCT FEATURES: The ultimate athletic leather! Everything a brand needs to deliver a consistent, high quality fashionable sneaker.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.0 (+/- 0.5) @25mm	Light - Dark	1.2 - 1.6mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
None	No finishing needed.	 Waterproof version is not available. 	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



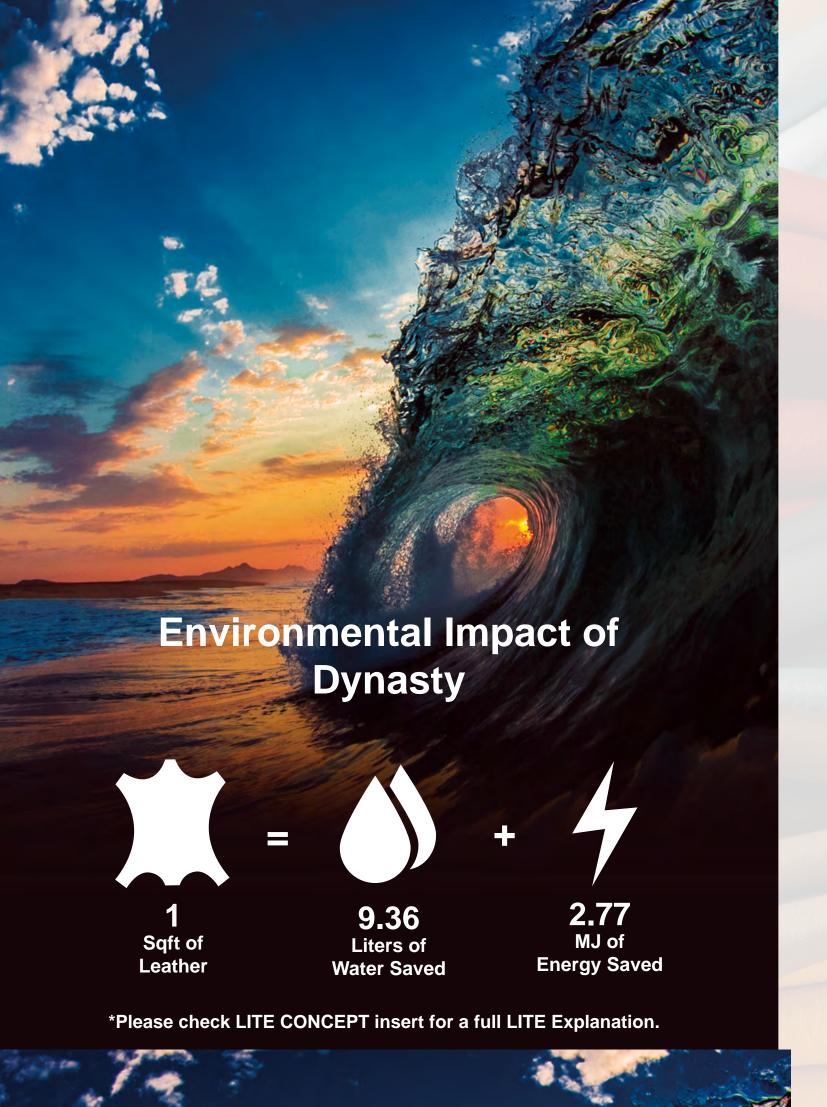


Cumulo

PRODUCT FEATURES: Cloud-like imagery inspires the look of CUMULO. A perfect way to detail thick soled and soft volume sneakers.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.3 (+/- 0.5) @25mm	Light - Dark	1.2 - 1.6mm	8%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
None	No finishing needed.	Waterproof version is not available.	YES □ NO ✓ *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



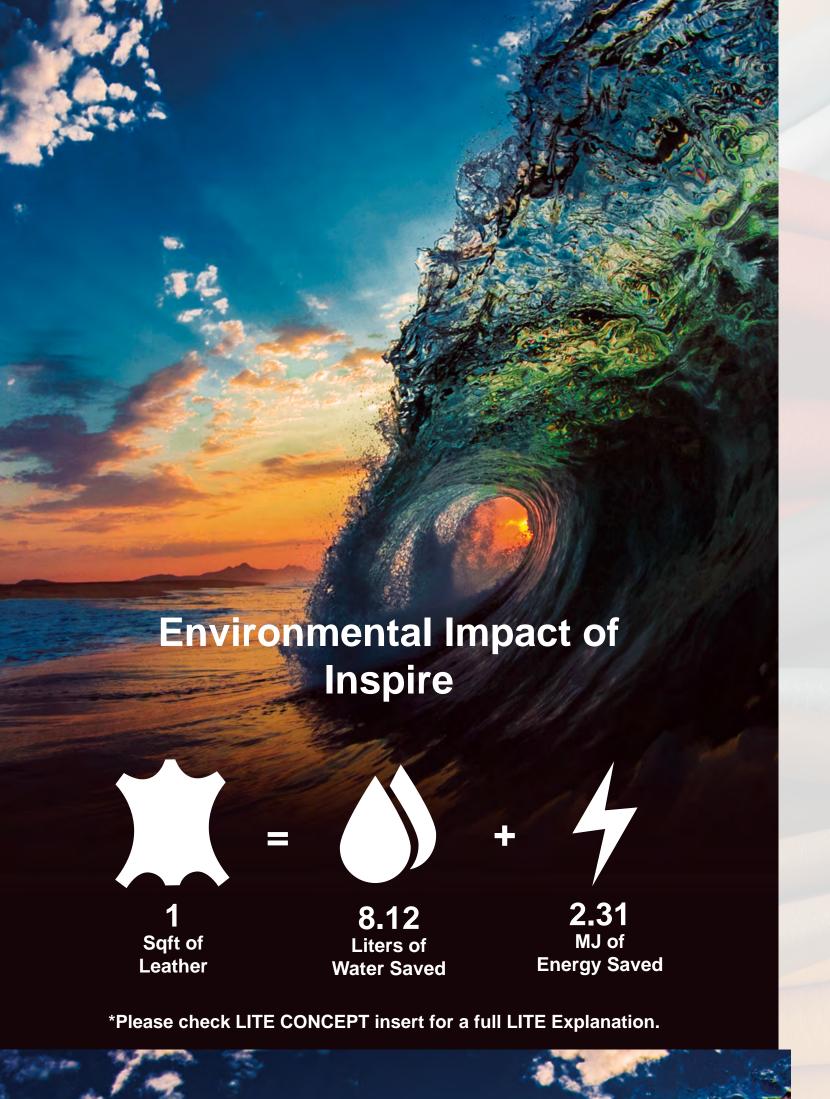


Dynasty

PRODUCT FEATURES: A space age metallic with eroded, cracked finish provides a great option for statement mules and balletcore.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
3.5 (+/- 0.5) @25mm	Light - Dark Limited colors, Follow ISA swatch book and metallic pigment shade card.	1.2 - 1.8mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Heavy	No finishing needed.	Waterproof version is not available.	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



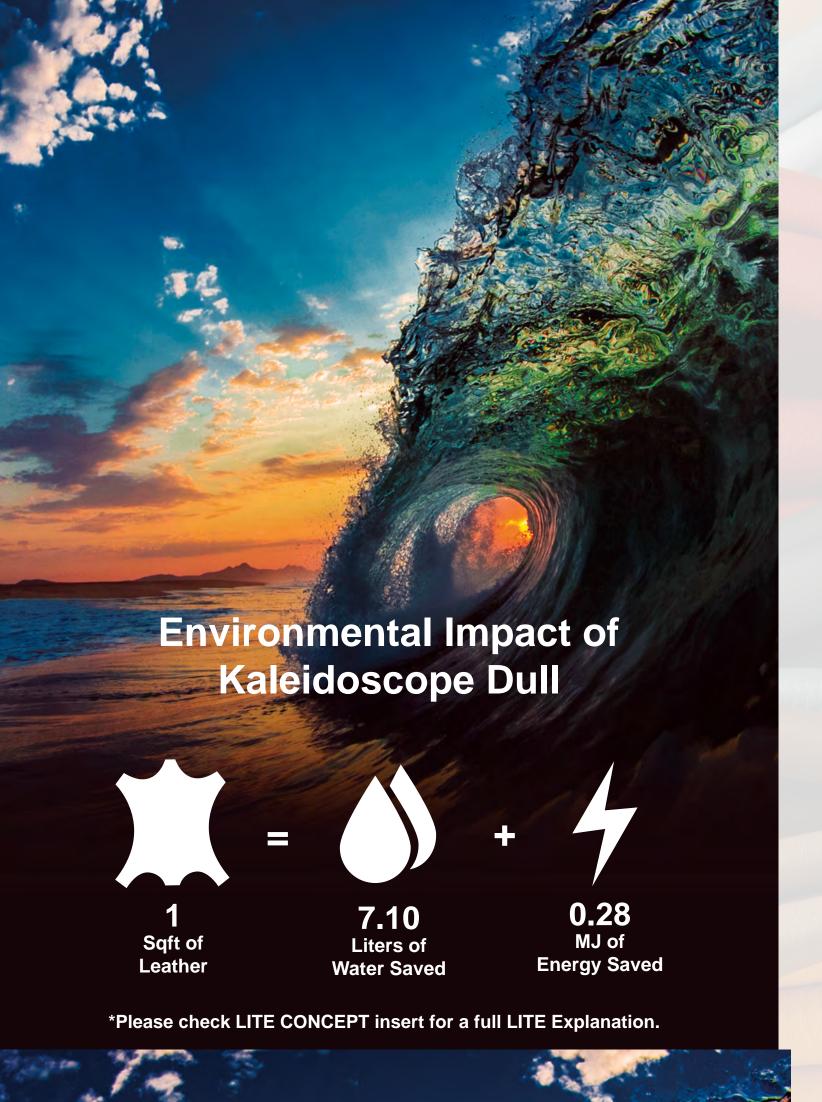


Inspire

PRODUCT FEATURES: Following the minimalist trend, INSPIRE is a sleek leather with limited processing providing a clean, simple look.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.0 (+/- 0.5) @25mm	Light - Dark	1.2 - 2.0mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
None	No finishing needed.	 Waterproof version is not available. 	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



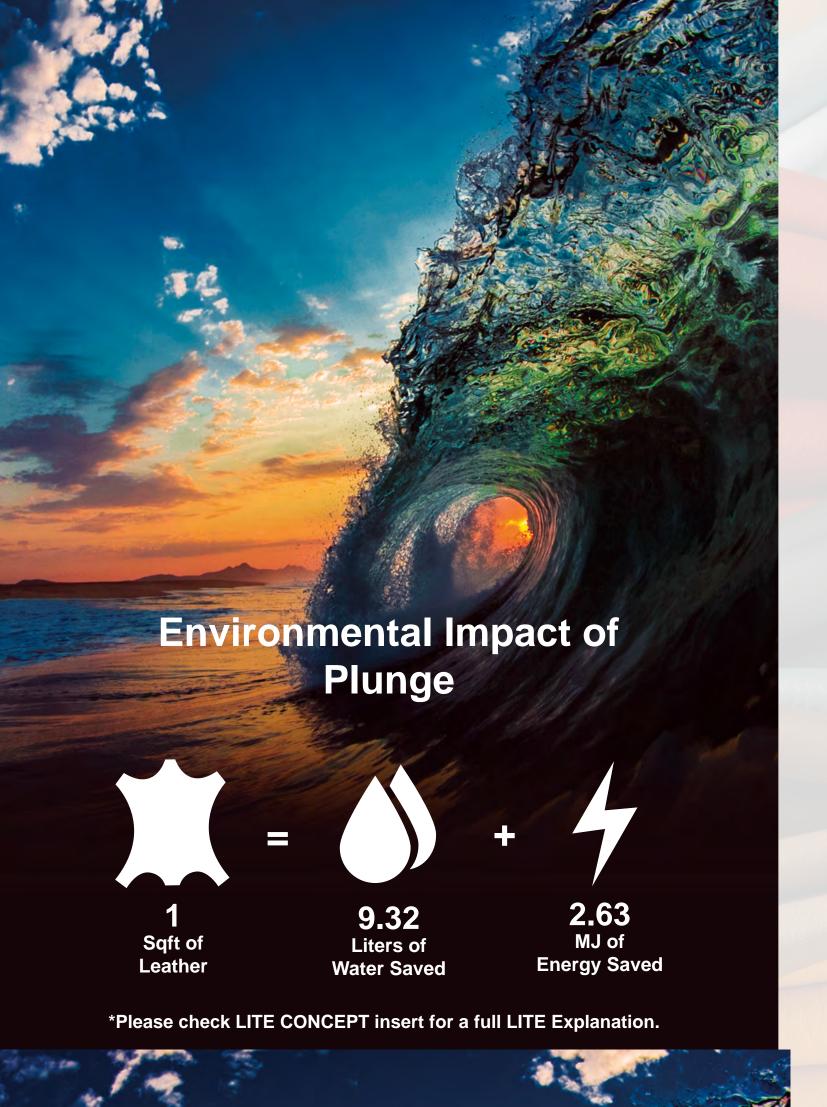


Kaleidoscope Dull

PRODUCT FEATURES: A truly unique cracked and eroded finish mirroring a childhood KALEIDOSCOPE. This leather raises the bar for statement footwear.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.3 (+/- 0.5) @25mm	Medium - Dark	1.6 - 2.2mm	22%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
None	No finishing needed.	 Waterproof version is not available. 	YES NO V *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



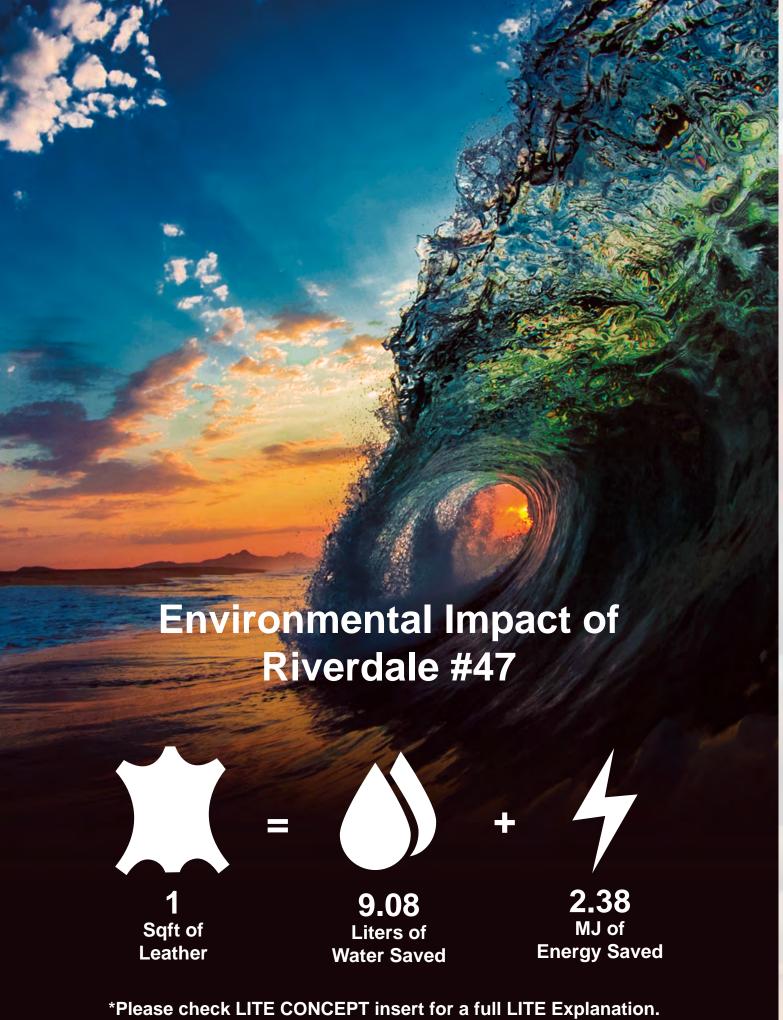


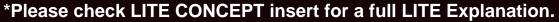
Plunge

PRODUCT FEATURES: An inspiration for cozy comfort, PLUNGE is a naturally milled full grain floater, perfect for all styles where extreme softness is important.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
4.0 (+/- 0.5) @25mm	Light - Dark	1.2 - 2.0mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Heavy	Polish for more brightness.	• Waterproof version - Plunge WP is available.	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA





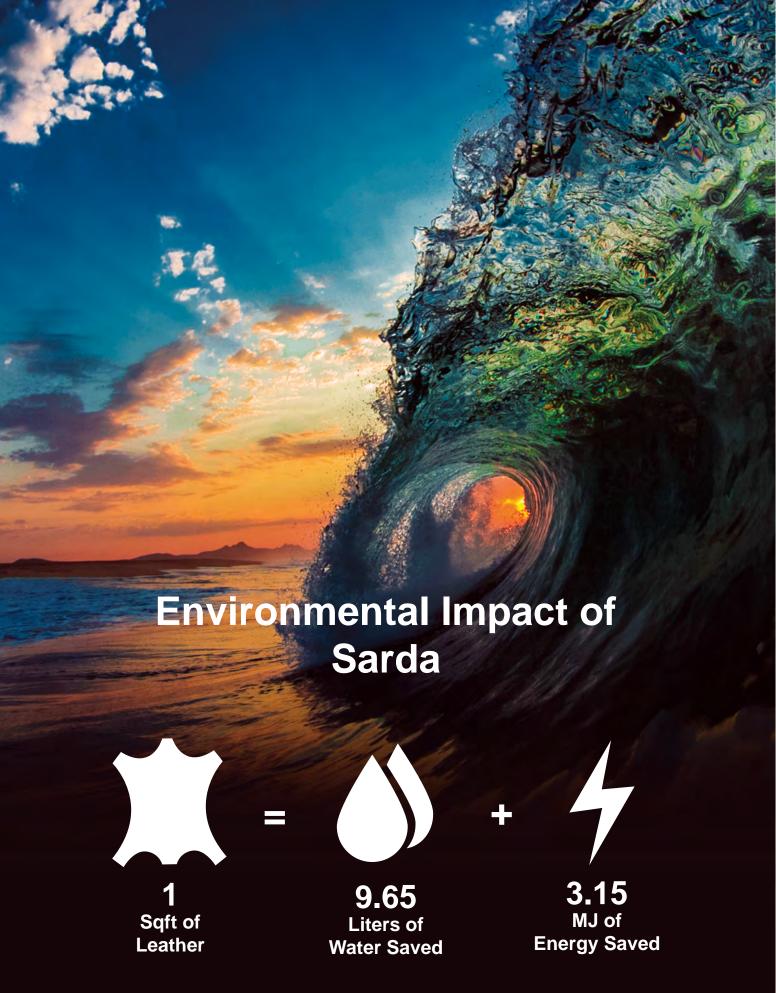


Riverdale #47

PRODUCT FEATURES: Waxed shine combined with a natural grain emboss creates a consistent, gutsy leather for combat, utility, western or biker styles.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
3.0 (+/- 0.5) @25mm	Medium - Dark	1.6 - 2.2mm	20%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Embossed	No finishing needed.	Waterproof version could be developed.	YES □ NO ✓ *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



^{*}Please check LITE CONCEPT insert for a full LITE Explanation.

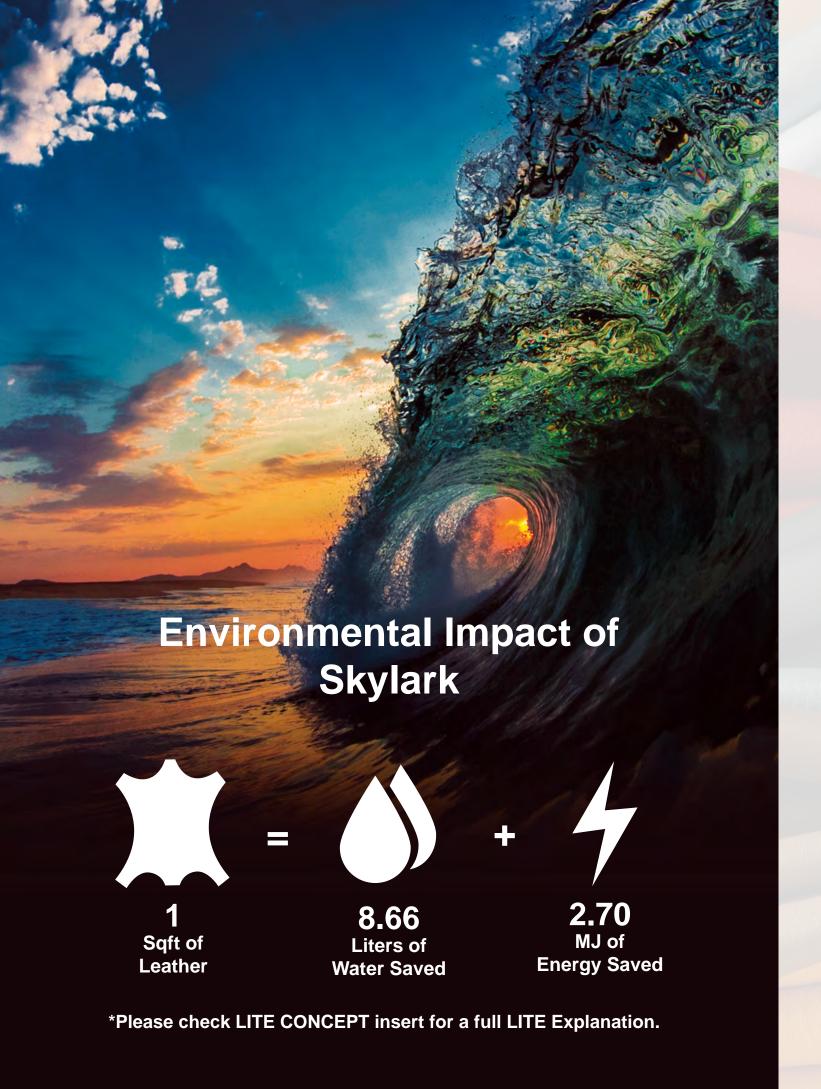


Sarda

PRODUCT FEATURES: A beautiful translation of sophistication and richness. The light pull up and sheen creates an unmatched, transparent depth of color. SARDA is destined to become a future classic.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
3.0 (+/- 0.5) @25mm	Medium - Dark	1.2 - 1.6mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Heavy	Polish for more brightness.	Waterproof version is not available.	YES NO W *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



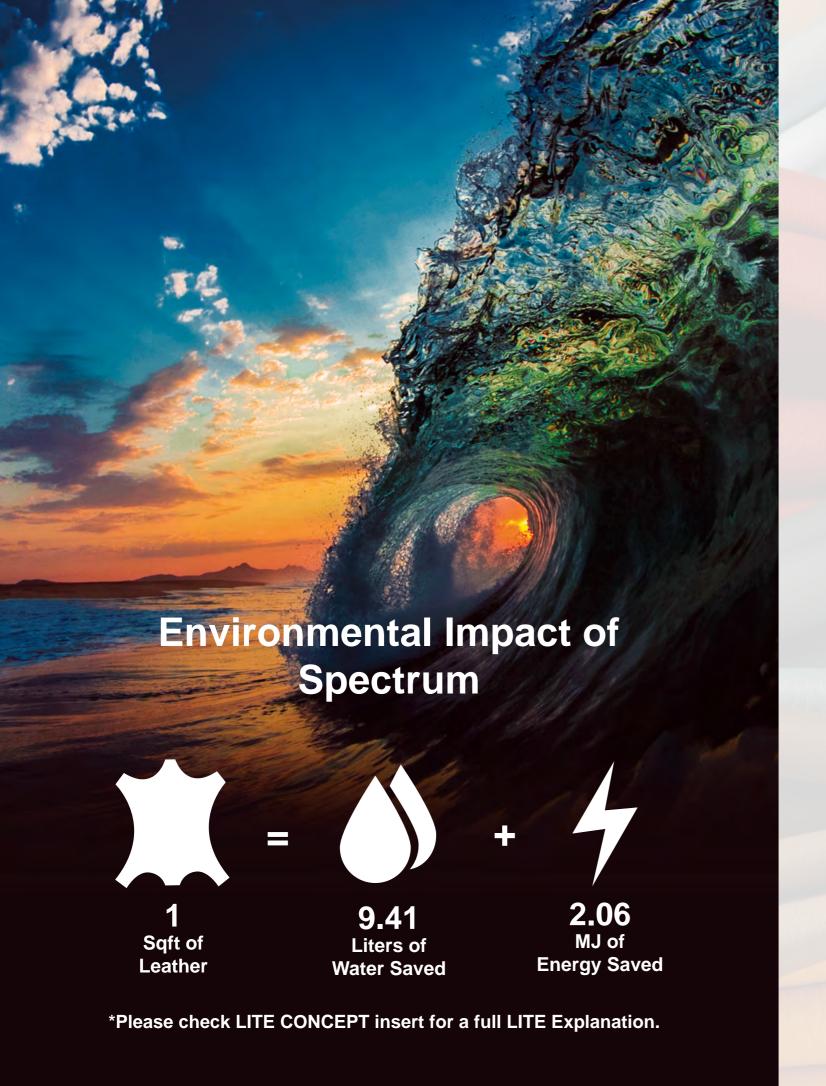


Skylark

PRODUCT FEATURES: SKYLARK defines smooth softness perfect for "non-shoe" deconstructed styles or sandals.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
3.5 (+/- 0.5) @25mm	Light - Dark	1.0 - 1.4mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Medium	Burnishable wax built into the surface of the leather.	Waterproof version is not available.	YES NO V *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA



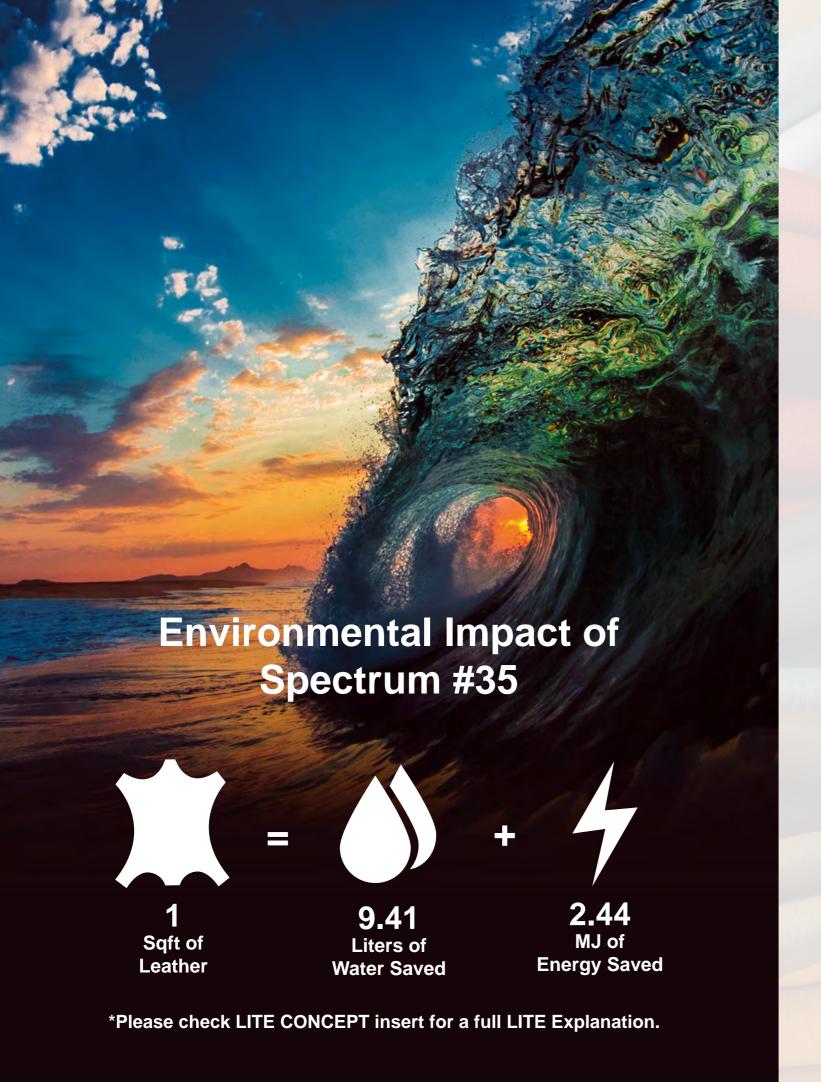


Spectrum

PRODUCT FEATURES: ISA's option for wrinkled shine. SPECTRUM offers a soft, milled break combined with a bright surface.



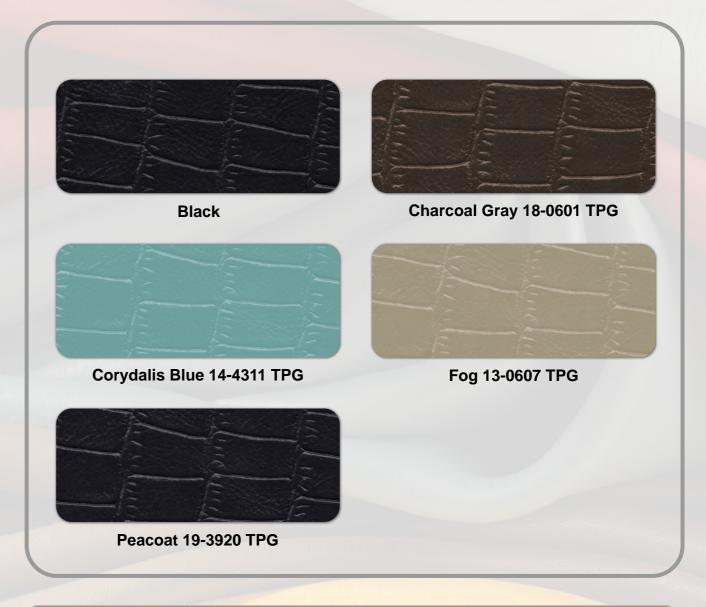
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Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
3.0 (+/- 0.5) @25mm	Light - Dark	1.2 - 1.8mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof ☑	Available on Greener Pastures™ (GP) or Regenerative Hides?
Heavy	No finishing needed.	Waterproof version - Spectrum WP is available.	YES NO *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA





Spectrum #35

PRODUCT FEATURES: Nostalgic reptile look combined with glossed sheen and softness will elevate slides and mules.



Temper	Color Range Available	Weight Range Available	Oil Content ± 2%
2.5 (+/- 0.5) @25mm	Light - Dark	1.2 - 1.8mm	10%
Milling Pattern	Shoe Finishing Suggestion	Waterproof □ Non Waterproof 🗹	Available on Greener Pastures™ (GP) or Regenerative Hides?
Embossed	No finishing needed.	Waterproof version is not available.	YES NO \(\text{ NO } \) *For GP / Regen, max. thickness 1.68mm *For Regen, no SATRA





Auburn Leather Lace

Leather laces are rich in texture & feel, timeless heritage, lasting tradition, and encompass the overall essence of natural quality. Using leather footwear lace is a proven value-add to any footwear design.

Environmental Impact of Auburn Leather Lace:



One Pair of Laces (0.13 sqft per pair)

1.36 Liters of Water Saved

0.50 MJ of Energy Saved

The numbers are showing the energy and water an article will save to make one pair of laces (0.13 sqft of leather), comparing to the Bronze Rate (65%) in the latest LWG Protocol of 50.4 MJ/m² (4.68 MJ/sqf) for energy consumption and 134.1 L/m² (12.46 L/sqf) for water consumption.

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