



MEET *Pirarucu*

Leather



GlobalGreen

Nova Kaeru

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Technical Data Sheet



PRODUCT NAME:

Pirarucu (*Arapaima Gigas*)

APPLICATIONS:

Bags, Shoes, Garments, Accessories,
Furniture, interior design and
Architecture.

MINIMUM ORDER QUANTITY:

1 Skin

UNIT PRICE:

Per Square Foot;

SOURCE:

Wild or farmed (both byproducts
from the food industry)

SIZE:

Wild: 5 to 14 sqft Farmed: 2,5 to 4 sqft

THICKNESS:

Wild: 0,5 to 3,5mm Farmed: 0,5 to
1,5mm

TANNING:

100% Organic and biodegradable

FINISHING:

Matte, Semi-Matte, Semi-Shine, and
Shine.

Scale Types:

Highlighted (LR); Trimmed (LL) and
Inverted (LI)

COLORS:

All Pantone colors

DELIVERY TIME: 45 days

CITES: Yes (Appendix II)

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Product name:

Pannel



UNIT PRICE:

Per Square Foot

SIZE:

10 to 15 sqft (or larger
for special projects)

Colors:

All Pantone Colors

MINIMUM ORDER

QUANTITY:

1 Pannel

Applications:

Bags, Shoes, Garments,
Accessories, Furniture,
interior design and
Architecture.

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Scale Types

Trimmed



The trimmed scales present a smooth, uniform surface, highlighting the natural softness of the leather and creating a symmetrical, triangular pattern.

Highlighted



The highlighted scales visually emphasize the pirarucu's scales, creating a striking three-dimensional texture. This type of scale is also the most natural form of pirarucu leather, enhancing the depth and details of the material.

Inverted



This type of scale works with the pirarucu's scales in an inverted manner, creating a distinct and innovative appearance. The inverted scales form a honeycomb-like pattern, offering a fresh perspective on the leather's texture.

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MOUSAIKON



Developed after years of research, the patented Mousaikon technology allows pirarucu leather to be seamlessly welded together, creating large, continuous surfaces and expanding its application horizons. This pioneering method enables the creation of larger and more expansive pieces of pirarucu leather, suitable for fashion, architecture, and design, while maintaining both aesthetic and technological quality.

Mousaikon technology's versatility also applies to other leathers and biomaterials, such as beLEAF™ and salmon, revolutionizing fashion and luxury with innovative and sustainable solutions.

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Amazon Cooperation



The pirarucu, a Jurassic fish that for years was on the brink of extinction due to predatory fishing and lack of regulation, has seen its populations grow thanks to a practice known as the Sustainable Management of Pirarucu. This practice, developed by indigenous and riverside communities in the Amazon in partnership with governmental oversight bodies, promotes the preservation of the species by establishing clear criteria regarding the number of pirarucus caught, as well as minimum size requirements for fishing.

Nova Kaeru actively participates in this process, collaborating with organized fishermen's cooperatives, protecting the forest, and contributing to better living conditions for indigenous and riverside populations. This practice not only protects the pirarucu but also promotes social organization, female empowerment and leadership, while directly combating illegal mining and predatory fishing.

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Low Impact, Vast Effect (L.I.V.E).



In addition to its important role in preserving the Amazon, Nova Kaeru is also committed to ensuring that the entire leather tanning process is equally sustainable and organic. Through our exclusive L.I.V.E. process (Low Impact, Vast Effect), we organically ensure that pirarucu skins have a clear, almost white base, allowing for a vibrant and natural coloration that is unique to pirarucu leather. All inputs used are 100% free from harmful chemicals, nanoparticles, synthetic dyes, and artificial fragrances. Instead, we use natural anilines, guaranteeing vivid and vibrant colors, as well as an extremely natural feel.

The durability of the material ensures that each pirarucu leather piece is not only beautiful and unique but also biodegradable, being absorbed by nature in less than 120 days when discarded.

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CHARACTERISTICS, CARE AND CONSERVATION

Recognized as a pioneer in organic, metal-free tanning, Nova Kaeru combines elegant design with a deep respect for the ecosystem and the environment. Our commitment to sustainability and socio-environmental collaboration permeates every stage of the production process.

The pirarucu, a giant freshwater fish native to the Brazilian Amazon, known as *Arapaima gigas*, is one of the main leathers and technologies offered by Nova Kaeru. By working exclusively with tracked and regulated skins — which are byproducts of the food industry — Nova Kaeru directly contributes to the preservation of the species, while also promoting environmental awareness and the social empowerment of the families involved in sustainable management. This process is regulated by the Brazilian Institute of Environment and Renewable Natural Resources (IBAMA), ensuring that all suppliers strictly adhere to international sanitary regulations and animal welfare practices, protecting the pirarucu, fishing communities, and the environment.

Additionally, the water used in the tanning process, after treatment, is directly reused for irrigation, reinforcing our commitment to sustainable and innovative practices.

Light Resistance: Significant exposure to sunlight or strong light bulbs can cause color fading and/or localized staining due to its organic process and 100% aniline coloring.

Cleaning: Use a dry cloth for surface cleaning. Slightly moistened for heavier cleaning. Do not use chemicals.

Finishing: A slight reduction in brightness is normal in cold, humid environments and with excessive handling.

Storage: Preferably in dry, airy places with low light exposure, without the use of packaging.

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CHARACTERISTICS, CARE AND CONSERVATION

Organic Leather / Durability: Nova Kaeru works exclusively with organic processing and bio-leathers. Compared to traditionally processed leathers, which contain heavy metals in their formulation, the durability is similar, and the main difference is that, at the end of their life cycle, because they are biodegradable, NK leathers reintegrate into nature much more quickly than traditional leathers and without any contamination by heavy metals.

Thickness: Variable, related to the size of the hide. The larger the hide, the thicker it is. It is not possible to split the leather due to the scales, as this would permanently compromise its resistance.

Color divergence: Small variations in color and appearance are expected and considered normal, as they respect the individual characteristics of each leather under organic and dyeing processes.

IBAMA: For species controlled by IBAMA, registration in the federal technical database on the IBAMA website is mandatory.

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AROUND THE WORLD

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Rick Owens




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Burberry



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Giorgio Armani



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Dolce & Gabbana



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Givenchy



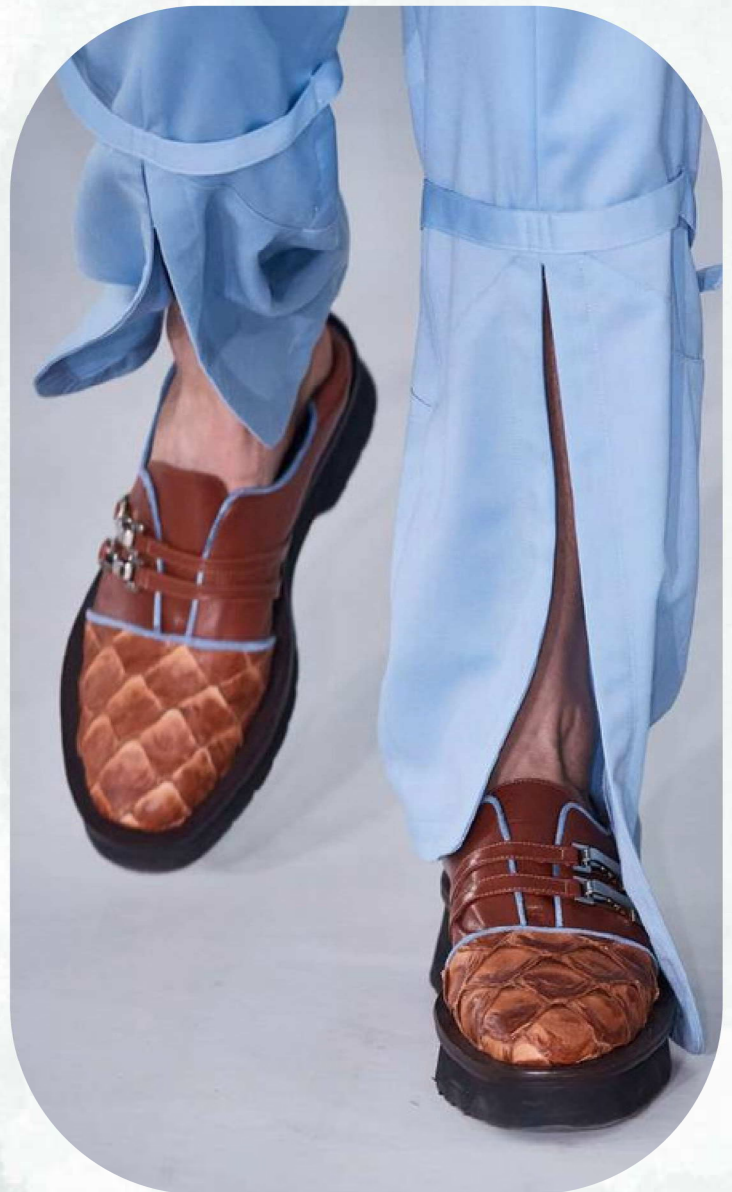
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Misci



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Lenny Niemeyer



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Osklen



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Piper & Skye



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Roberto Cavalli



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Campana Brothers



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Allan Collins



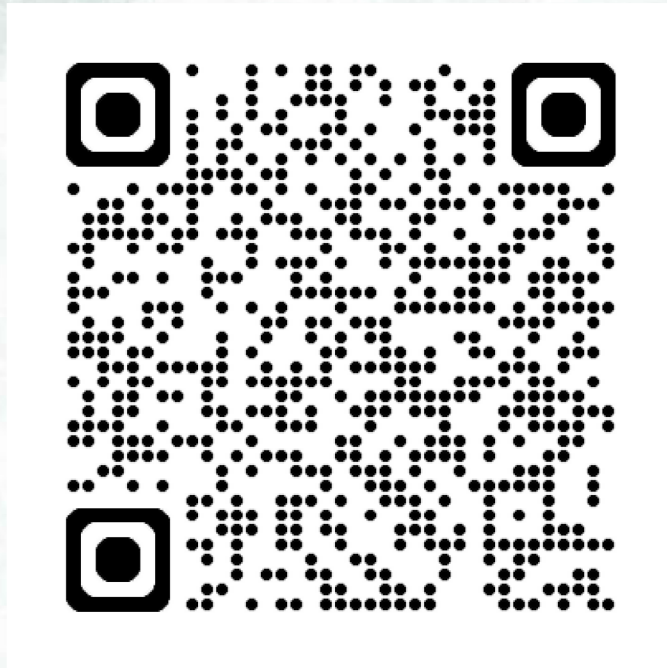
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