



Sustainable Water Consumption



Reduced Waste



Renewable Chemicals

ADVANCED PRODUCTS

Ecoda Avocado

RECYCLED AVOCADO + RENEWABLE FINISH
(Chrome)



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At Pangea, our mission is to take what nature has created and preserve it. Enhance it. Make it useful and beautiful. Our line of Advanced Products does just that.

Using proven tanning and finishing processes, we have crafted a stunning new range of automotive leather solutions.

Inspired by the natural world, Pangea's Advanced Products are the perfect canvas to create unique luxury products that amaze and inspire.

Pangea Ecoda Avocado

Reduced waste. Renewable chemistry. Ecoda Avocado transforms an abundant food byproduct into advanced leather chemistry.

Mexico—the world's largest avocado producer—harvested about 2.65 MMT of avocados in 2023, creating an estimated 424,000–530,000 metric tons of pit waste annually. Traditionally discarded, these pits are now valorized: milled, hydrolyzed with heat and water, and converted into biopolymers rich in natural tannins and polyphenolics. For every 1 kg of pits collected, our partners produce 1.4 kg of ready-to-use biopolymer mixture, with one-third of the process energy sourced from solar.

This innovation reduces organic waste and landfill emissions, cuts dependence on imported natural extracts, and creates local jobs across agriculture, logistics, and materials science. Ecoda Avocado maintains the soft, touchable hand of Ecoda leather while advancing a circular, lower-carbon economy.

Chemistry (beamhouse + tan + retan + finish)

1.49 kg chemicals/m² + 0.23 kg/m²
avocado biopolymer

Renewable Chemistry

Coating: 20% bio-PU

Substrate Retan: 46%

Overall: 38% of all chemicals from renewable sources (vs. 32% in standard Ecoda)

Recycled Chemistry:

Substrate: 23% in retanning (including avocado biopolymers)

Local production cuts imports of natural extracts (e.g., Tara powder) by ~50%

Waste Management:

Overall impact: ~0.26 kg CO₂/m² lower than traditional chrome-tan leather

Options: energy recovery, Recycled Tan, collagen/chrome recovery, biostimulants from the shaving process

Local Waste Diverted from Landfill:

0.26 kg avocado pits/m² (avoids ~0.16 kg CO₂e/m² from MSW landfill)

Recycled Water Usage:

6% from the Recycled Tan process

Energy & Electricity (Scope 2):

≈0.7 kg CO₂e/m²