
 Sustainable Water Consumption Reduced Waste Renewable Chemicals

ADVANCED PRODUCTS

Ecoda Agave

RECYCLED AGAVE + 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 Agave

Reduced waste. Renewable chemistry. Ecoda Agave gives new purpose to an iconic Mexican crop, merging cultural heritage with modern sustainability.

Each year, the tequila and agave industries generate millions of tons of agave leaf waste. Roughly 40–46% of each agave plant's weight is removed at harvest and typically discarded. By transforming these hand-cut leaves into renewable biopolymers, Ecoda Agave reduces landfill use and open burning while creating economic opportunity for rural farming communities.

For every 1 kg of agave leaves collected, our partners produce 1.5 kg of ready-to-use biopolymer mixture, using solar energy in the conversion process. A single large agave piña can yield enough biopolymers for the retan formulation of approximately 80 leather hides. This process helps build local circular economies, cutting chemical import dependency and supporting job creation in underserved agricultural regions.



Chemistry (beamhouse + tan + retan + finish)

1.49 kg chemicals/m² + 0.23 kg/m²
agave 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 agave biopolymers)

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:

0.24 kg agave leaves/m² (avoids ~0.15 kg CO₂e/m² from MSW landfill)

Recycled Water Usage:

6% from the Recycled Tan process

Energy & Electricity (Scope 2):

≈0.7 kg CO₂e/m²