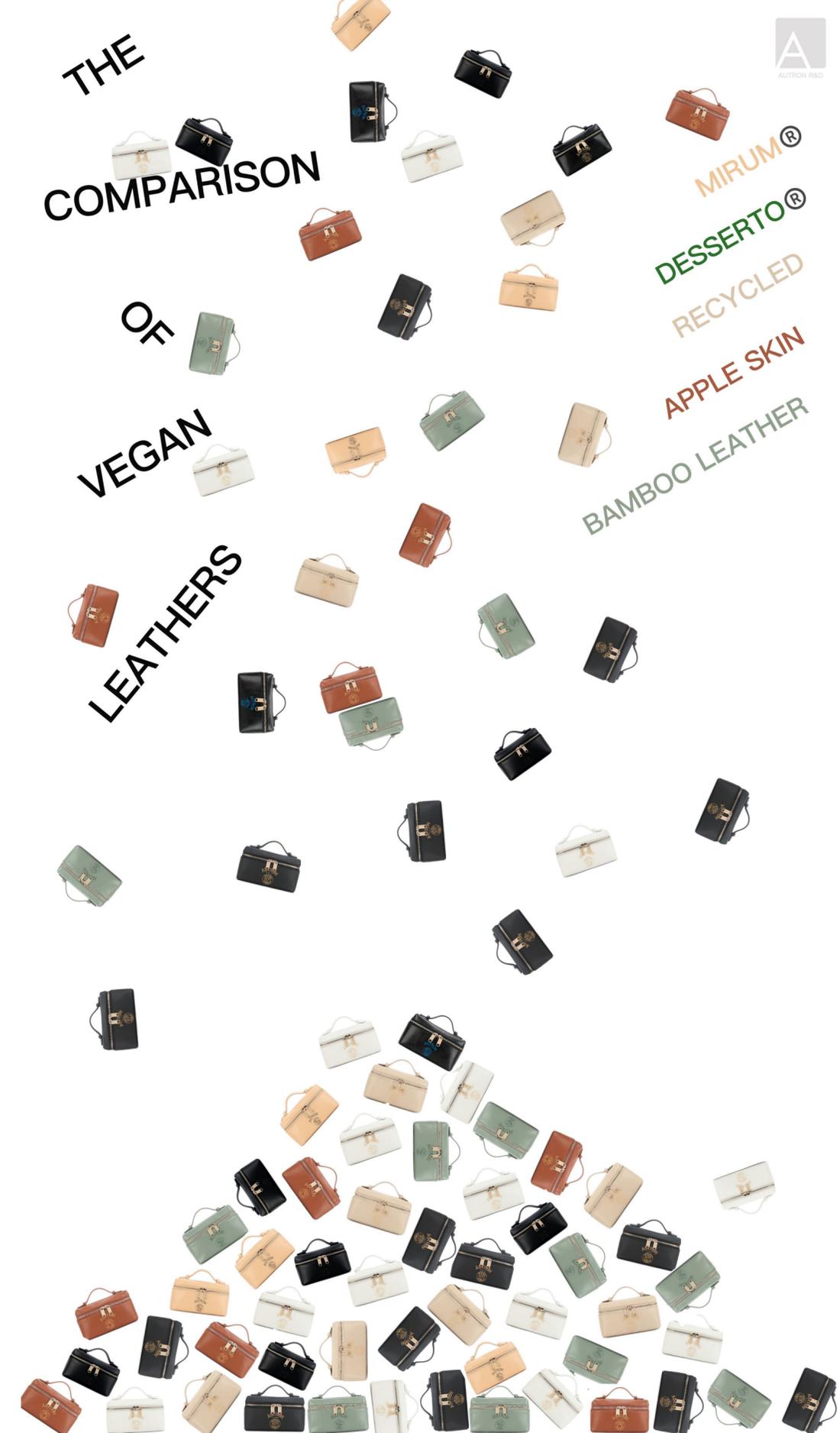




The Vegan Leathers Comparison Report

- Autron Materials Dept





Content

Overview

Desserto® Cactus Leather

- 5 Materials Details
- 6 Performances - Squeezing Test & Scratching Test
- 7 Hand Feel & Looks

MIRUM®

- 9 Materials Details
- 11 Performances - Squeezing Test
- 12 Performances - Scratching Test
- 13 Hand Feel & Looks

Apple Leather

- 15 Materials Details
- 16 Performances - Squeezing Test & Scratching Test
- 16 Hand Feel & Looks

Bamboo Leather

- 18 Materials Details
- 19 Performances - Squeezing Test & Scratching Test
- 19 Hand Feel & Looks

Recycled Water Base PU

- 21 Materials Details
- 22 Performances - Squeezing Test & Scratching Test
- 22 Hand Feel & Looks

Sheet

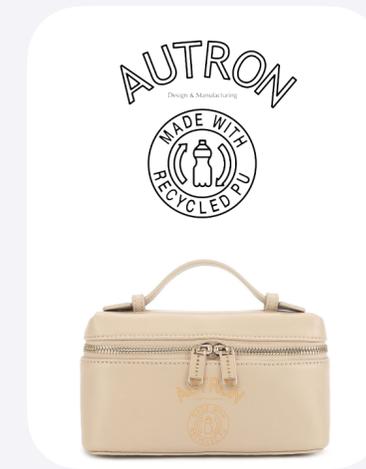
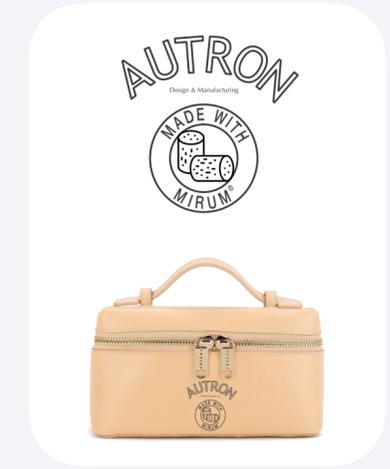
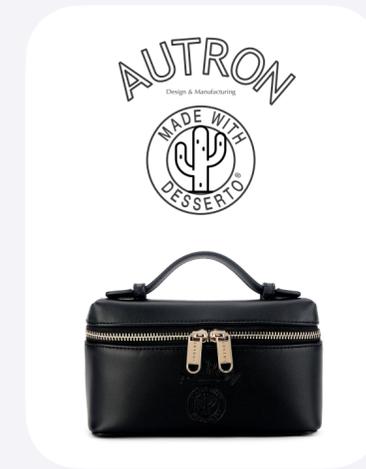
The materials market has been full of planet base vegan leathers. When you try to source a vegan leather for your brand or next sustainable collection, the options from materials market makes confusions.

You must been reads so many articles about the materials LCA, how sustainability it is; how good is for the environmental friendly... but when you decided to develop a vegan leather collection, the actual practical operability is another important factor to take you to next step.

Autron R&D team made and tested a series of bag prototypes by using [MIRUM®](#), [Desserto®](#), [Apple Skin Leather](#), [Bamboo Leather](#), [Recycled Water-Base PU](#) to help you find out the vegan leather options that suitable for you. Which all of them is available in [Autron's materials selection](#). If you interesting in these materials, click them directly for more informations.

We analyze and score from the practical points, summarizing key figures and informations in the form for easier record.

- Compositions.
- Place of Origins.
- Traceability.
- Certifications.
- Price. (as in prototype bag)
- MOQs.
- Lead Time for bulk production and sampling.
- Performances.
- Hand Feel.
- Purchasing Flexibility



Cactus Leather by Desserto®



Cactus Leather by Desserto®

Desserto® is a vegan leather made using nopal cactus leaves. There's many brands such as H&M, Fossil and Adidas that had collaborated with Desserto® on cactus leather collection.

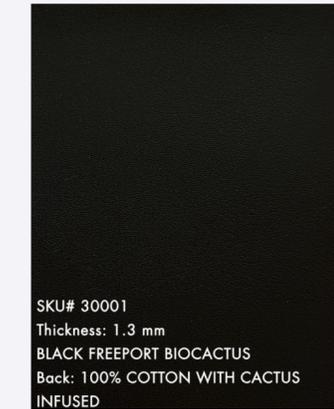
Different Desserto® materials article having different percentage composition, Autron's R&D team select 2 most popular signature

Desserto® cactus leather to make the test and research.



SKU# ITA-402
Thickness: 1.3 mm
DIVA 1.3 FREEPORT ROCKPORT BLACK

Prototype bag made by Desserto® Cactus Leather SKU#ITA-402



SKU# 30001
Thickness: 1.3 mm
BLACK FREEPORT BIOCACTUS
Back: 100% COTTON WITH CACTUS INFUSED

Prototype bag made by Desserto® Cactus Leather SKU#30001

Compositions

- **Desserto SKU#30001:** approximately 40% Cactus / 60% Bio PU with 100% Cotton Infused with Cactus.
- **Desserto SKU#ITA-402:** approximately 35% Cactus / 65% Bio PU with Recycled Polyester backing.

Traceability.

Desserto® can provide TC of the textile supply company for the backings. For the top layer of the materials, Desserto® can provide composition declarations and the Agricert certificate for the organic cactus plantation.

MOQs

- Flexible materials MOQs.
- **200 units bags per color per style** at Autron Industry.

Price. (prototype bag made by Desserto®)

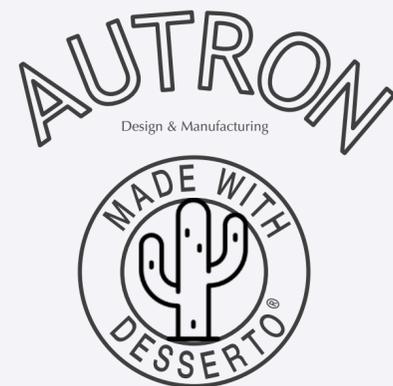
- The materials prices from Desserto® are around 50 USD / 40 Euro per LM. In this case we have to consider the materials shipment cost and imported taxes.
- Roughly 100 LM are costing 1000 USD shipment fee, the imported taxes are unpredictable. Shipment fee and imported taxes bring up the FOB bag cost.
- For prototype bag quote, we expecting at around **34 USD** per bag.

Place of Origins.

Desserto® have 2 production line, made in Mexico and made in Italy, which can be distinguish from SKU.

Purchasing Flexibility.

Desserto® is responsive. We can received the sample materials within 2 weeks. However, due to Desserto® is ship from Mexico/Italy, there's unpredictable taxes and shipment time and cost, which causing some difficulties on cost, lead time and additional order request.



Cactus Leather by Desserto®

Desserto® is a vegan leather made using nopal cactus leaves. There's many brands such as H&M, Fossil and Adidas that had collaborated with Desserto® on cactus leather collection.

Different Desserto® materials article having different percentage composition, Autron's R&D team select 2 most popular signature

Desserto® cactus leather to make the test and research.



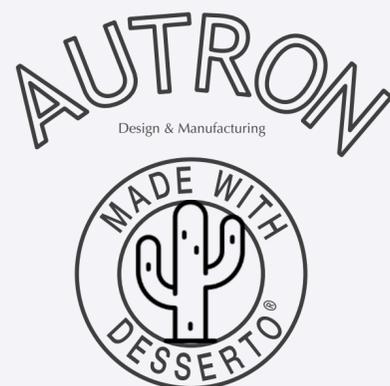
Performances - Squeezing Test Desserto SKU#ITA-402

I tried to squeezing hard the Desserto SKU#ITA-402 prototype for a few times to simulate daily use, it perfectly pass the test. No wrinkle, crease or trace at all. Which shows the good adhesiveness between the Desserto layer and bag padded layer.



Performances - Squeezing Test Desserto SKU#30001

I tried to squeezing hard Desserto SKU#30001 prototype for a few times to simulate daily use, there's a little crease happened on the surface. However, I think is acceptable due to the #30001 is plain leather and softer touching than #ITA-402. After 24 hours the crease are almost disappeared.



Performances - Scratching Test Desserto SKU#ITA-402

I tried to scratching hard on Desserto SKU#ITA-402 prototype with my fingernail for a dozens times to simulate daily use, it perfectly pass the test. The matte grained finish seems having anti-scratch properties.



Performances - Scratching Test Desserto SKU#30001

I tried to scratching hard on Desserto SKU#30001 prototype with my fingernail for a dozens times to simulate daily use, it perfectly pass the test. I didn't see any damage trace on the surface, you don't need to worry about the surface can be easily damage.

Cactus Leather by Desserto®

Desserto® is a vegan leather made using nopal cactus leaves. There's many brands such as H&M, Fossil and Adidas that had collaborated with Desserto® on cactus leather collection.

Different Desserto® materials article having different percentage composition, Autron's R&D team select 2 most popular signature

Desserto® cactus leather to make the test and research.



Hand Feel and Looks Desserto SKU#ITA-402

- Matte texture with anti-scratch properties. It have enough of thickness to keep the bags structure while having partly soft hand feel. Proper weight in our prototype bag. However, it still have a certainly of synthetic hand feel.
- Great application ability of each kind logo techniques, we suggest stamp, embossed, print label techniques on #ITA-402.
- A good option if you looking for matte grain anti-scratch vegan leather, if you can afford its cost.



Hand Feel and Looks Desserto SKU#30001

- Fine grain and semi-matte texture. It seems due to surface PU layer is thinner, is more easier to cause tiny crease on prototype corner and around the stitches. Proper weight in our prototype bag; less synthetic hand feel.
- Great application ability of each kind logo techniques, we suggest stamp, embossed, print label techniques on #30001. We applied embossed logo in #30001 prototype, it looks great.



MIRUM®



MIRUM®

MIRUM by Natrual Fiber Welding is the only one that is 100% plant-based and completely plastic free materials in the market. It means it has no petroleum-based binders, or backers such as PU or PLA. It includes like cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative. It does use agricultural waste that would otherwise be landfilled or burned, is a non-toxic materials.

Autron's R&D team select 4 most popular signature MIRUM® to make the test and let's see how it goes.



Prototype bag made by MIRUM® Epsom with Cotton Canvas backing



Prototype bag made by MIRUM® Black King with Cotton Canvas backing

Compositions

Including cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative.

Traceability.

We are waiting for further confirmation from MIRUM®.

MOQs

- 100 square meter materials MOQs.
- 300 units bags per color per style at Autron Industry.

Price. (prototype bag made by Desserto®)

- The materials prices from MIRUM® are around **50 USD -70 USD per square meter**. MOQs 100 square meters.
- For sample price are 110 USD per square meter.
- In this case we have to consider the materials shipment cost and imported taxes. The imported taxes are unpredictable. Shipment fee and imported taxes bring up the FOB bag cost, for prototype bag quote, we expecting at around **70 USD** per bag.
- Autron bag sampling with MIRUM started at **235 USD**.

Lead Time by using MIRUM®.

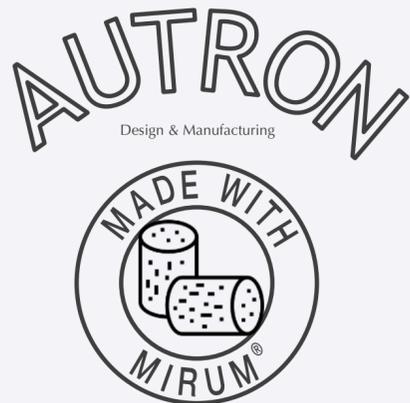
- Production lead time - 95 days.
- Sample lead time - 40 days.

Place of Origins.

MIRUM® are made in USA.

Purchasing Flexibility.

MIRUM® is responsive. We can received the sample materials within 2 weeks. However, due to MIRUM® is ship from USA, there's unpredictable taxes and shipment time and cost, which causing some difficulties on cost, lead time and additional order request.



MIRUM®

MIRUM by Natrual Fiber Welding is the only one that is 100% plant-based and completely plastic free materials in the market. It means it has no petroleum-based binders, or backers such as PU or PLA. It includes like cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative. It does use agricultural waste that would otherwise be landfilled or burned, is a non-toxic materials.

Autron's R&D team select 4 most popular signature MIRUM® to make the test and let's see how it goes.



Prototype bag made by MIRUM® Epsom Black with Rice Hall



Prototype bag made by MIRUM® Espresso Off White

Compositions

Including cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative.

Traceability.

Currently MIRUM® is not transaction certificates (TC) available, which means it can't be provide traceable documents to trace its Tier3-4 materials supply chain.

MOQs

- 100 square meter materials MOQs.
- 300 units bags per color per style at Autron Industry.

Price. (prototype bag made by Desserto®)

- The materials prices from MIRUM® are around **50 USD -70 USD per square meter**. MOQs 100 square meters.
- For sample price are 110 USD per square meter.
- In this case we have to consider the materials shipment cost and imported taxes. The imported taxes are unpredictable. Shipment fee and imported taxes bring up the FOB bag cost, for prototype bag quote, we expecting at around **70 USD** per bag.
- Autron bag sampling with MIRUM started at **235 USD**.

Place of Origins.

MIRUM® are made in USA.

Purchasing Flexibility.

MIURM® is responsive. We can received the sample materials within 2 weeks. However, due to MIRUM® is ship from USA, there's unpredictable taxes and shipment time and cost, which causing some difficulties on cost, lead time and additional order request.



Lead Time by using MIRUM®.

- Production lead time - 95 days.
- Sample lead time - 40 days.

MIRUM®

MIRUM by Natrual Fiber Welding is the only one that is 100% plant-based and completely plastic free materials in the market. It means it has no petroleum-based binders, or backers such as PU or PLA. It includes like cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative. It does use agricultural waste that would otherwise be landfilled or burned, is a non-toxic materials.

Autron's R&D team select 4 most popular signature MIRUM® to make the test and let's see how it goes.



Performances - Squeezing Test MIRUM Epsom

I tried to squeezing hard the prototype for a few times to simulate daily use, it automatic rebounded quickly to original shape and barely can't see any crease. The MIRUM Epsom are extremely elasticity and flexibility. Is hard to damage on daily use condition.



Performances - Squeezing Test MIRUM King

I tried to squeezing hard the prototype for a few times to simulate daily use, it rebounded quickly to original shape and can't see any crease at all. The MIRUM King are extremely elasticity and flexibility. Is hard to damage on daily use condition.



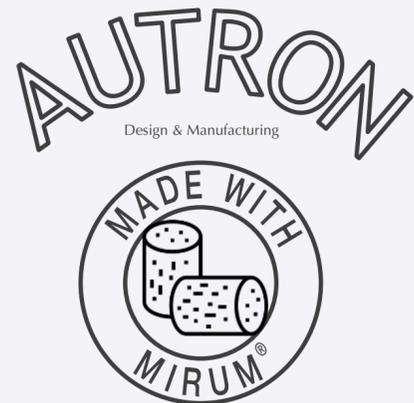
Performances - Squeezing Test MIRUM Black King

I tried to squeezing hard the prototype for a few times to simulate daily use, it rebounded quickly to original shape and can't see any crease at all. The MIRUM King are extremely elasticity and flexibility. Is hard to damage on daily use condition.



Performances - Squeezing Test MIRUM Espresso Off White

I tried to squeezing hard the prototype for a few times to simulate daily use, it rebounded quickly to original and can't see any crease at all. The MIRUM Espresso are extremely elasticity and flexibility. Is hard to damage on daily use condition.



MIRUM®

MIRUM by Natrual Fiber Welding is the only one that is 100% plant-based and completely plastic free materials in the market. It means it has no petroleum-based binders, or backers such as PU or PLA. It includes like cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative. It does use agricultural waste that would otherwise be landfilled or burned, is a non-toxic materials.

Autron's R&D team select 4 most popular signature MIRUM® to make the test and let's see how it goes.



Performances - Scratching Test MIRUM Epsom

I tried to scratching hard on our MIRUM Epsom prototype with my fingernail for a dozens times to simulate daily use, I did found theres some not obvious nail scratches. I think I scratched some MIRUM coating off the surface, but again, I scratching pretty hard and the scratches is not obvious. Generally acceptable, shouldn't be consider as a deal breaker.



Performances - Scratching Test MIRUM King

I tried to scratching hard on our MIRUM King prototype with my fingernail for a dozens times to simulate daily use, I think I scratched some MIRUM coating off the surface. I found the area I scratched are not as shiny as other area, but it seems getting recovery after 24 hours. Generally acceptable, shouldn't be consider as a deal breaker.



Performances - Scratching Test MIRUM Epsom Black with Rice Hall

I tried to scratching hard on our MIRUM Epsom Black with Rice Hall prototype with my fingernail for a dozens times to simulate daily use. This time I found obvious nail scratches. I think I scratched quite of some MIRUM coating off the surface, See the pictures and assess if you can work with it.



Performances - Scratching Test MIRUM Espresso Off White

I tried to scratching hard on our MIRUM Espresso prototype with my fingernail for a dozens times to simulate daily use, I did found theres some not obvious nail scratches. I think I scratched some MIRUM coating off the surface, but again, I scratching pretty hard and the scratches is not obvious. Generally acceptable, shouldn't be consider as a deal breaker.

MIRUM®

MIRUM by Natrual Fiber Welding is the only one that is 100% plant-based and completely plastic free materials in the market. It means it has no petroleum-based binders, or backers such as PU or PLA. It includes like cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative. It does use agricultural waste that would otherwise be landfilled or burned, is a non-toxic materials.

Autron's R&D team select 4 most popular signature MIRUM® to make the test and let's see how it goes.



Hand Feel and Looks MIRUM Epsom

- It feels and looks like a completely "vegan leather". Glossy, with some natural elements grains inside of the surface make it looks special.
- Thick, elastically and flexible hand feel. Great weight, not light.
- The whole prototype feels quick solid though.
- Due to its thickness and layer stiffness, stamp or embossed seems a bit hard to apply on Epsom. We will continuing discover other logo methods such as UV printed, other embossed mold and laser etched.
- Have certain of water resistance ability.
- If you are looking for leather feeling, the MIRUM Epsom may not a good option for you.



Hand Feel and Looks MIRUM King

- The pebble grain feels and looks elegant.
- Glossy and smooth, a solid stiffness hand feel. Great weight, not light.
- We think is more suitable for structure bags like prototype.
- Due to its thickness and layer stiffness, stamp or embossed seems a bit hard to apply on Epsom. We will continuing discover other logo methods such as UV printed, other embossed mold and laser etched.
- Have certain of water resistance ability.
- The signature MIRUM grain makes it special.



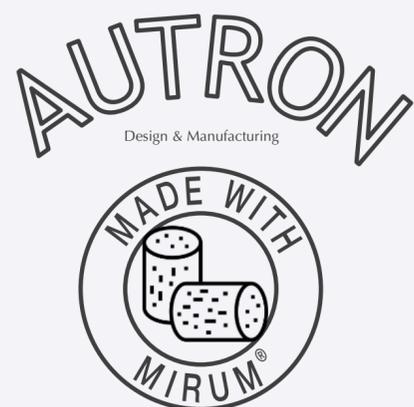
Hand Feel and Looks MIRUM Epsom Black with Rice Hall

- Basically it having same feel and looks with MIRUM Espresso Off White, but in glossy version.



Hand Feel and Looks MIRUM Espresso Off White

- It feels and looks like a completely "vegan leather". Matte and pebble, with some natural elements grains inside of the surface make it looks special.
- Solid stiffness hand feel. Great weight, not light.
- We think is more suitable for structure bags like prototype.
- Due to its thickness and layer stiffness, stamp or embossed seems a bit hard to apply on Epsom. We will continuing discover other logo methods such as UV printed, other embossed mold and laser etched.
- If you are looking for leather feeling, the MIRUM Espresso may not a good option for you. Though I think MIRUM is creating it's own hand feel instead of copy leather hand feel.



Apple Leather



Apple Leather

Apple Leather is a vegan leather made using apple wastes. We have been launching many apple leather production with our customers. Generally we think the Apple Leather is similar PU constitute with Desserto® by using apple wastes instead of cactus leaves. Autron R&D team select a most popular signature Apple leather to make the test and research.



Item# UPPERAPPLE (V2020)
 Thickness: 1.0 mm
 Texture: 180
 Backing: Vegan Micro Suede
 Color: 18-1244 Ginger Bread
 Biobase: Approx 35%

Prototype bag made by Apple Leather SKU#UPPERAPPLE 180 with Vegan Micro Suede backing

Compositions

Apple Skin SKU#UPPERAPPLE 180: approximately 20% Apple Skin / 30% Bio PU / 50% backing materials.

Traceability.

Apple Skin Leather can provide TC of the textile supply company for the backings.

MOQs.

- Flexible materials MOQs.
- **150 units bags per color per style** at Autron Industry.

Price. (prototype bag made by Desserto®)

- The materials prices from Desserto® are around **23 - 28 USD square meter**. Since it is made in China there's no unpredictable materials shipment and imported taxes added to the FOB bag cost, for prototype bag quote, we expect at around **15.3 USD** per bag.
- Autron bag sampling with Apple Leather started at **55 USD**.

Lead Time by using Apple Leather.

- Production lead time - 60 days.
- Sample lead time - 20 days.

Place of Origins.

Apple wastes and production are made in China.

Purchasing Flexibility.

Flexible and responsive stock check and sampling / bulk production request. We can receive sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.



Apple Leather

Apple Leather is a vegan leather made using apple wastes. We have been launching many apple leather production with our customers. Generally we think the Apple Leather is similar PU constitute with Desserto® by using apple wastes instead of cactus leaves. Autron R&D team select a most popular signature Apple leather to make the test and research.



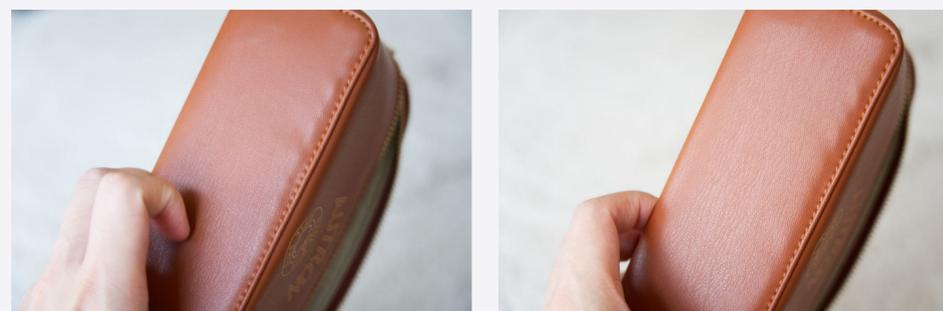
Performances - Squeezing Test Apple Leather SKU#UPPERAPPLE 180

I tried to squeezing hard Apple Leather SKU#UPPERAPPLE 180 prototype for a few times to simulate daily use, there's a little crease happened on the surface but the crease are disappear after 6 hours. I will considering this result as a PASS.



Hand Feel and Looks Apple Leather SKU#UPPERAPPLE 180

- Fine grain and semi-matte texture. A bit light weight in our prototype bag due to 1mm thinner thickness; less synthetic hand feel and feels like a premium bags.
- We apply print logo on this Apple Leather prototypes, is applicable and not easy to peeling off. But due to its thinner PU surface layer and Apple Leather is less elasticity, embossed is not a great applicable. Embossed will easily pierce though the PU layer and cause defect.
- We will recommend Apple Leather in structure bag shape like prototype.



Performances - Scratching Test Apple Leather SKU#UPPERAPPLE 180

I tried to scratching hard on Apple Leather SKU#UPPERAPPLE 180 prototype with my fingernail for a dozens times to simulate daily use, it perfectly pass the test. I didn't see any damage trace on the surface, you don't need to worry about the surface can be easily damage.

Bamboo Leather



Bamboo Leather

Bamboo is a vegan leather made using bamboo wastes. Bamboo leather has been a common production materials to Autron's popular brand customers. Its affordable cost, recycled and traceability applicable were popular with brands seeking for plant base vegan leather while having recycled traceability. Autron R&D team select a most popular signature Bamboo leather Bio-623 to make the test and research.



Prototype bag made by Bamboo Leather SKU# BIO-623 with Recycled Polyester backing

Compositions

60% Recycled Post-Consumer Polyester / 11% Bamboo / 29% Biological Based Water Base Polyurethane (PU) Resin

Traceability.

Global Recycled Standard and Transaction Certificate available.

MOQs.

- **300 yards** materials MOQs.
- **500 units per color can mix style** at Autron Industry.

Price. (prototype bag made by Desserto ®)

- The materials prices from Bamboo Leather® are around **7 - 8 USD** per yards. Since is made in China there's no unpredictable materials shipment and imported taxes added to the FOB bag cost, for prototype bag quote, we expecting at around **12.3 USD** per bag.
- Autron bag sampling with Bamboo Leather started at **45 USD**.

Lead Time by using Bamboo Leather.

- Production lead time - 70 days.
- Sample lead time - 15 days.

Place of Origins.

Bamboo Leather are made in China.

Purchasing Flexibility.

Flexible and responsive stock check and sampling / bulk production request. We can received sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.



Bamboo Leather

Bamboo is a vegan leather made using bamboo wastes. Bamboo leather has been a common production materials to Autron's popular brand customers. Its affordable cost, recycled and traceability applicable were popular with brands seeking for plant base vegan leather while having recycled traceability. Autron R&D team select a most popular signature Bamboo leather Bio-623 to make the test and research.



Performances - Squeezing Test Bamboo Leather Bio-623

I tried to squeezing hard the Bamboo Leather Bio-623 prototype for a few times to simulate daily use, it automatic rebounded quickly to original shape and barely can't see any crease. The Bamboo Leather Bio-623 are light and soft while keeping its durability.



Hand Feel and Looks Bamboo Leather Bio-623

- Plain, smooth and glossy. The weight is light and you did feels there's a coating on the materials surface. A bit synthetic hand feel due to the surface is still PU layer.
- We apply print logo on this Bamboo leather prototypes, is applicable and not easy to peeling off. This specific bamboo leather is applicable for each kind of logo techniques, such as relief, embossed, stamp.,etc
- We will recommend Apple Leather in structure bag shape like prototype.
- We will recommend Bamboo leather for both soft casual bags such as HOBO, TOTE or structure shape bags. Soft bag will be the best fit though.



Performances - Scratching Test Bamboo Leather Bio-623

I tried to scratching hard on our Bamboo Leather Bio-623 prototype with my fingernail for a dozens times to simulate daily use, I did found theres some nail scratches. I think its because of Bio-623 is a smooth plain surface. But the scratches are disappear after 18 hours. Generally is acceptable and we are giving it a PASS.

Recycled Water Base Polyurethane (PU)



Recycled Water Base PU

Recycled Water Base PU is a solvent-free PU with Recycled Polyester backing. Recycled Water Base PU has been a common sustainable PU option for Autron customer brands who seeking for leather alternative vegan materials. While being animal welfare, less chemically and could being more affordable compare with their current leather collection. Autron R&D team select a most popular signature Recycled Water Base PU S933 to make the test and research.



Prototype bag made by Recycled Water Base PU SKU# S933 with Recycled Polyester backing

Compositions

58% Recycled Polyester / 37% Water Based Polyurethane / 5% Kaolin.

Traceability.

Global Recycled Standard and Transaction Certificate available.

MOQs.

- **300 yards** materials MOQs.
- **500 units per color can mix style** at Autron Industry.

Price. (prototype bag made by Desserto ®)

- The materials prices from Recycled Water Base PU are around **6 - 7 USD** per yards. Since is made in China there's no unpredictable materials shipment and imported taxes added to the FOB bag cost, for prototype bag quote, we expecting at around **14.5 USD** per bag.
- Autron bag sampling with Recycled Water Base PU started at **45 USD**.

Lead Time by using Apple Leather.

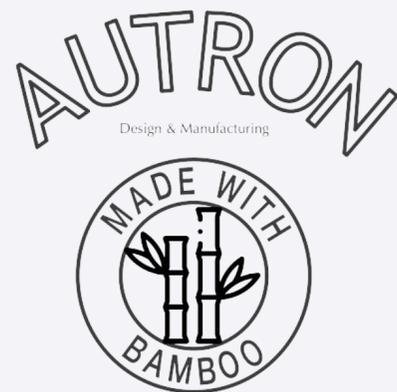
- Production lead time - 70 days.
- Sample lead time - 15 days.

Place of Origins.

Recycled Water Base PU are made in China.

Purchasing Flexibility.

Flexible and responsive stock check and sampling / bulk production request. We can received sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.



Bamboo Leather

Bamboo is a vegan leather made using bamboo wastes. Bamboo leather has been a common production materials to Autron's popular brand customers. Its affordable cost, recycled and traceability applicable were popular with brands seeking for plant base vegan leather while having recycled traceability. Autron R&D team select a most popular signature Bamboo leather Bio-623 to make the test and research.



Performances - Squeezing Test Recycled Water Base PU SKU#S933

I tried to squeezing hard the Recycled Water Base PU SKU# S933 prototype for a few times to simulate daily use, is soft and slowly recover to original shape and can't see any crease at all. Recycled Water Base PU are light and extremely soft while keeping its durability.



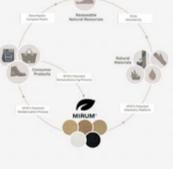
Hand Feel and Looks Recycled Water Base PU SKU#S933

- Semi-Matte, smooth and soft Nappa hand feels and looks. You can see it as a matte version Bamboo leather Bio-623. Proper weight.
- We apply print logo on this Bamboo leather prototypes, is applicable and not easy to peeling off. This specific Recycled Water Base PU is applicable for each kind of logo techniques, such as relief, embossed, stamp.,etc
- We will recommend Apple Leather in structure bag shape like prototype.
- We will recommend Recycled Water Base PU for both soft causal bags such as HOBLO, TOTE or structure shape bags. Ask Autron team to get more other collection pictures and advise.



Performances - Scratching Test Recycled Water Base PU SKU#S933

I tried to scratching hard on our Recycled Water Base PU prototype with my fingernail for a dozens times to simulate daily use, I did found theres some nail scratches. I think its because of Bio-623 is a smooth plain Nappa surface. But the scratches are disappear after minutes. Is acceptable and we are giving it a PASS.

	 Cactus Leather	 MIRUM	 Bamboo Leather	 Recycled Water Base PU	 Apple Leather
Materials Options	DESSERTO®	MIRUM®	BAMBOO LEATHER	RECYCLED WATER BASE PU	APPLE LEATHER
Composition	<ul style="list-style-type: none"> Desserto SKU#30001: approximately 40% Cactus / 60% Bio PU with 100% Cotton Infused with Cactus. Desserto SKU#ITA-402: approximately 35% Cactus / 65% Bio PU with Recycled Polyester backing. 	Including cotton backing, coconut waste, natural tree rubber, non-toxic colorants, and NFW's proprietary plant base curative.	60% Recycled Post-Consumer Polyester / 11% Bamboo / 29% Biological Based Water Base Polyurethane (PU) Resin.	58% Recycled Polyester / 37% Water Based Polyurethane / 5% Kaolin.	Approximately 20% Apple Skin / 30% Bio PU / 50% backing materials.
Place of Origin	Made in Mexico & Italy	Made in USA	Made in China	Made in China	Made in China
Traceability	Desserto® can provide TC of the textile supply company for the backings. For the top layer of the materials, Desserto® can provide composition declarations and the Agricert certificate for the organic cactus plantation.		Transaction Certificate (TC)	Transaction Certificate (TC)	Apple Leather can provide TC of the textile supply company for the backings.
Certifications		?	 	 	
Prices Reference - as in example bags	\$34	\$70	\$12.3	\$11.9	\$15.3
MOQs	200 units / color / style	300 units / color / style	500 units / color MIX style	500 units / color MIX style	150 units / color / style
Lead Time	<ul style="list-style-type: none"> Production - 90 days. Sample - 35 days. 	<ul style="list-style-type: none"> Production - 95 days. Sample - 40 days. 	<ul style="list-style-type: none"> Production - 70 days. Sample - 15 days. 	<ul style="list-style-type: none"> Production - 70 days. Sample - 15 days. 	<ul style="list-style-type: none"> Production - 60 days. Sample - 20 days.
Materials Performance	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers
Hand Feel	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers	As in article: https://www.autron-ind.com/post/the-comparisons-of-the-vegan-leathers
Purchasing Flexibility	Desserto® is responsive. We can received the sample materials within 2 weeks. However, due to Desserto® is ship from Mexico/Italy, there's unpredictable taxes and shipment time and cost, which causing some difficulties on cost, lead time and additional order request.	MIURM® is responsive. We can received the sample materials within 2 weeks. However, due to MIRUM® is ship from USA, there's unpredictable taxes and shipment time and cost, which causing some difficulties on cost, lead time and additional order request.	Flexible and responsive stock check and sampling / bulk production request. We can received sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.	Flexible and responsive stock check and sampling / bulk production request. We can received sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.	Flexible and responsive stock check and sampling / bulk production request. We can received sample materials in 3 days, bulk materials within 25 days. Additional order request is responsive.