



Photography by Julien Martinez Leclerc





"Our bio-based leather is engineered on a foundation of sustainable innovation, delivering the high performance, durability, and premium feel that top sports brands and consumers expect, while significantly reducing reliance on fossil-based resources. It seamlessly bridges athletic functionality with forward-looking design aesthetics, empowering footwear that performs on the track, stands out on the street, and resonates with a new generation of environmentally conscious consumers. With our material, sustainability is no longer a trade-off—it becomes the driving force behind better performance, smarter design, and a lower carbon footprint. This means future-proofing your product line without compromising on quality, style, or brand integrity."

Our Core Collection



C1EUBG-SZRL-G046AA

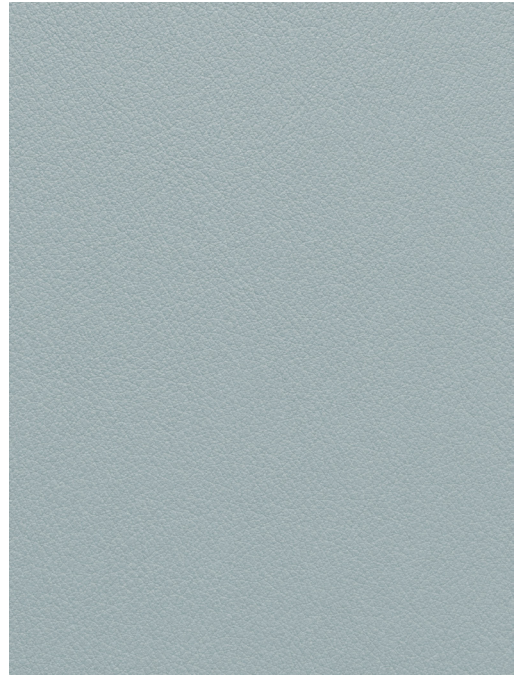
Bio-based Content (Coating): 60%

Base Material: Recycled leather

Finished Thickness: 1.2mm

Color: Iron Gate

PANTONE : 19-3910 TPG



C1EUBG-SZRL-M045AA

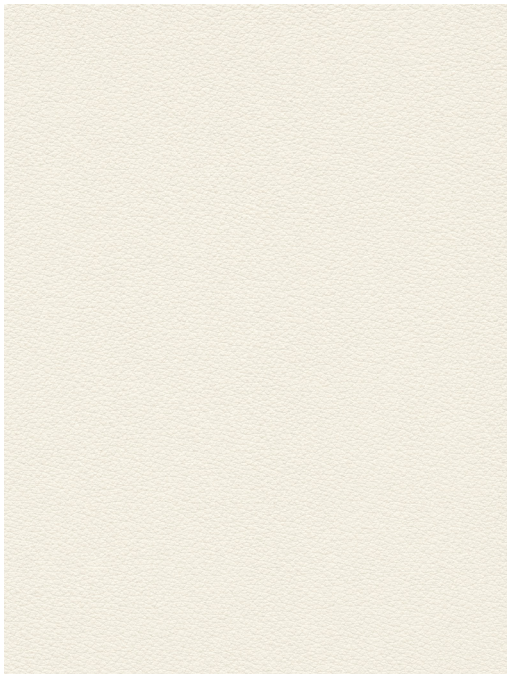
Bio-based Content (Coating): 60%

Base Material: Recycled leather

Finished Thickness: 1.2 mm

Color: Puritan Gray

PANTONE : 15-4702 TPG



C1EUBG-BWCX-M001AB

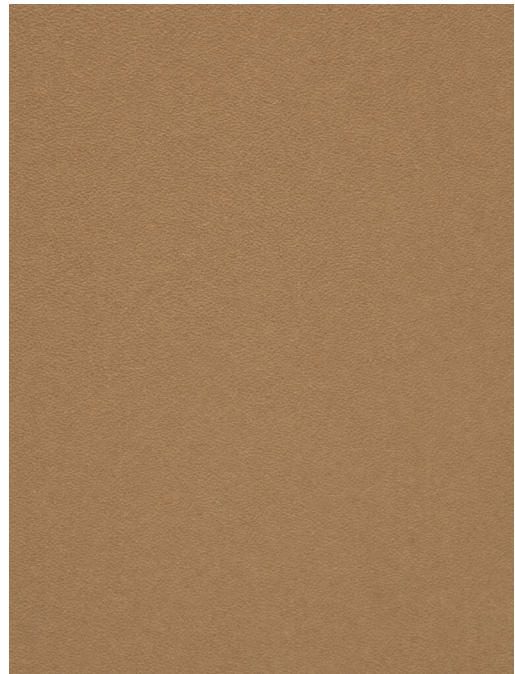
Bio-based Content (Coating): 60%

Base Material: Microfiber

Finished Thickness: 1.2 mm

Color: Lucent White

PANTONE : 11-0700 TPG



C1FVAF-BZDL-M003AA

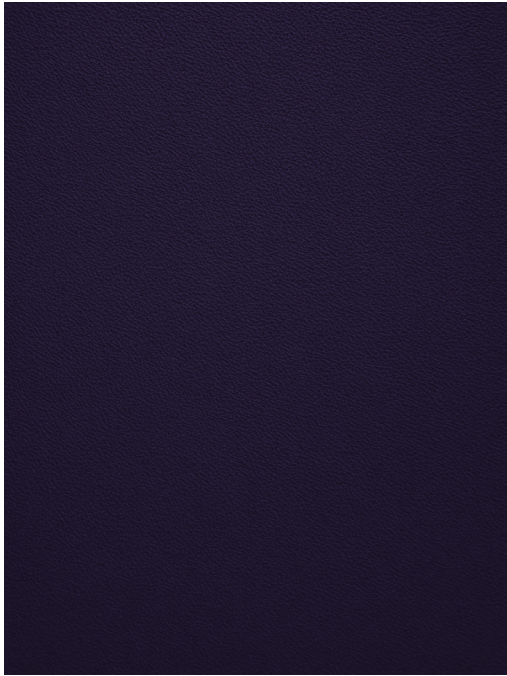
Bio-based Content (Coating): 50%

Base Material: rPET/PET

Finished Thickness: 1.2 mm

Color: Porcini

PANTONE 17-1225 TPG



C1FVAE-BZDL-M019AA

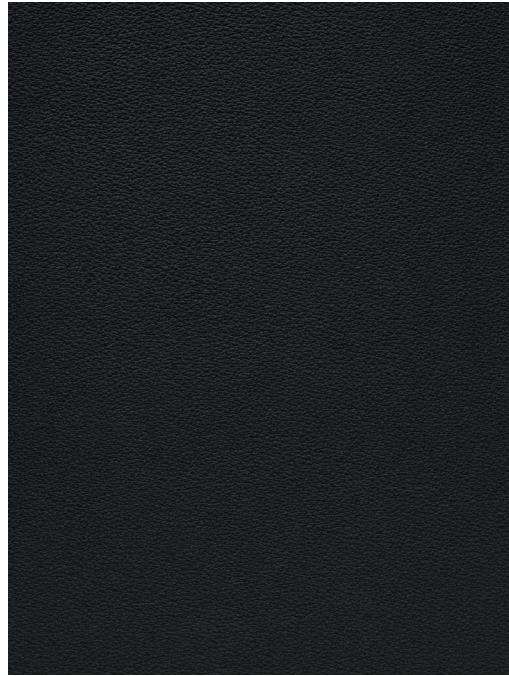
Bio-based Content (Coating): 40%

Base Material: rPET/PET

Finished Thickness: 1.2 mm

Color: Mysterioso

PANTONE : 19-3617 TPG



S1EUBE-BWCX-H018AAT

Bio-based Content (Coating): 40%

Base Material: Microfiber

Finished Thickness: 1.2 mm

Color: Black

PANTONE : 19-0303 TPG



C1EUBD-BWCX-H040ACT

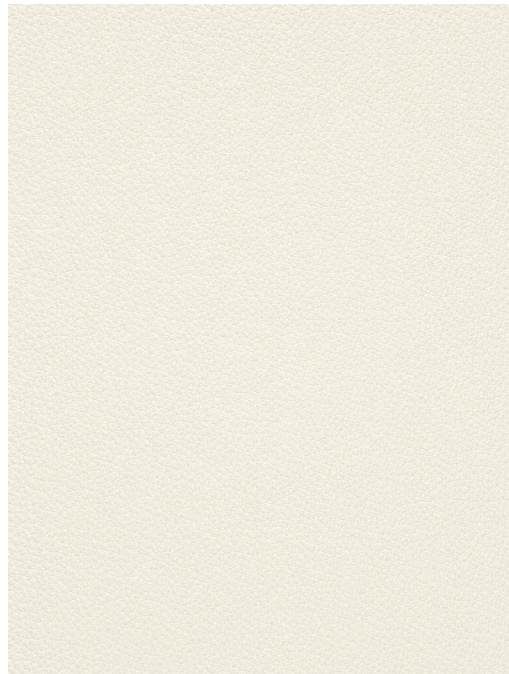
Bio-based Content (Coating): 30%

Base Material: Microfiber

Finished Thickness: 1.2 mm

Color: Cuban Sand

PANTONE : 15-1314 TPG



S1EUBE-BWCX-H001ACT

Bio-based Content (Coating): 40%

Base Material: Microfiber

Finished Thickness: 1.2 mm

Color: Lucent White

PANTONE : 11-0700 TPG



S1EUBE-SLRL-H045AAT

Bio-based Content (Coating): 40%

Base Material: Recycled leather

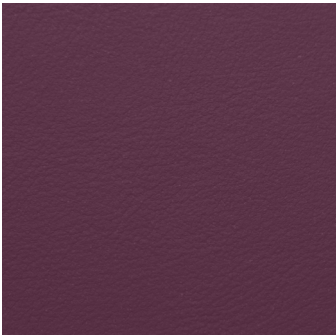
Finished Thickness: 1.2 mm

Color: Puritan Gray

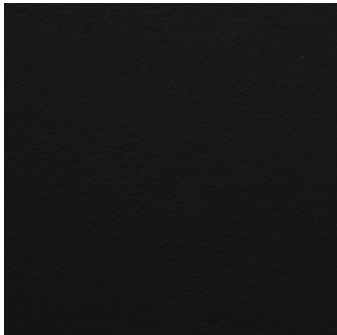
PANTONE :15-4702 TPG

Versatile Choices: Tailored to Your Needs

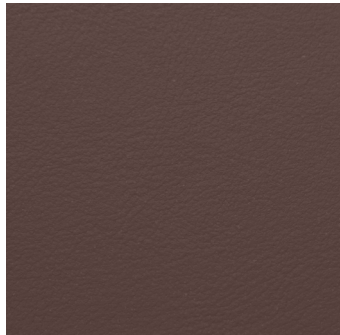
Colors



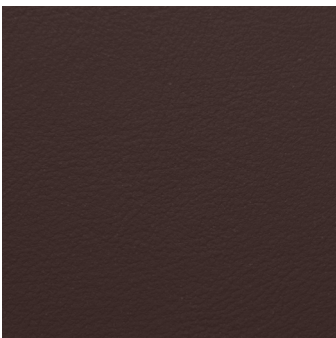
PANTONE 18-3022 TPG



PANTONE 19-0303 TPG



PANTONE 18-1307TPG



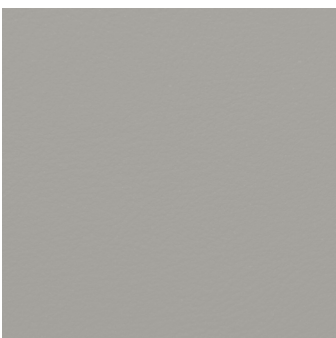
PANTONE 18-1320 TPG



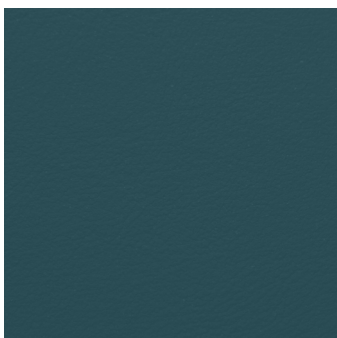
PANTONE 19-4045 TPG



PANTONE 19-1535TPG



PANTONE 11-4303 TPG



PANTONE 17-5025 TPG



PANTONE 18-4440TCX



PANTONE 18-1404TCX

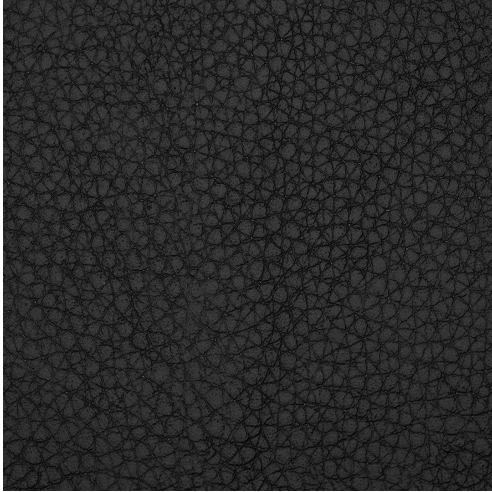


PANTONE 16-1448TPG

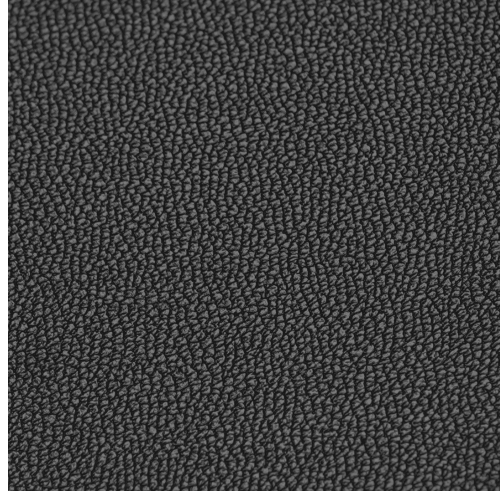


PANTONE 203 U

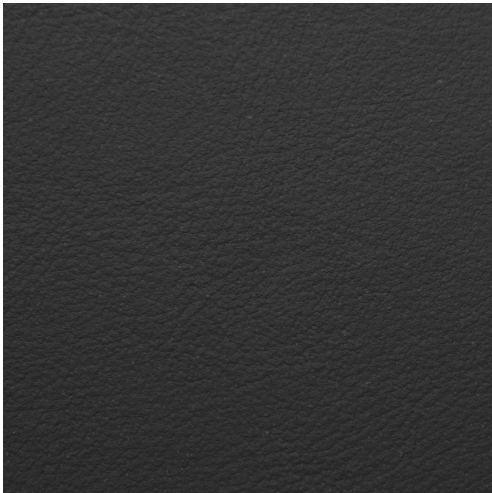
Texture



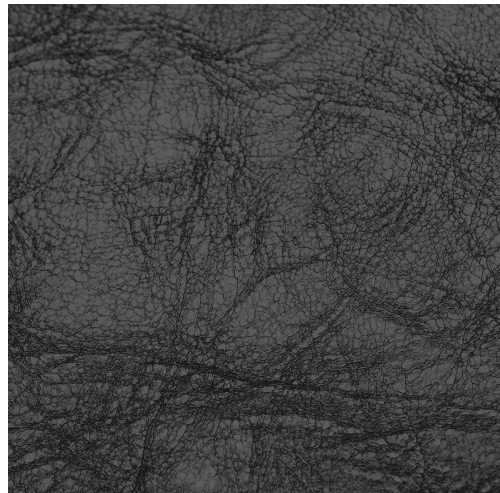
T -M06



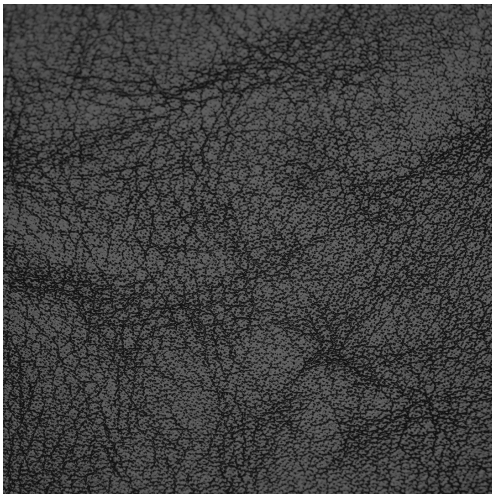
T -M02



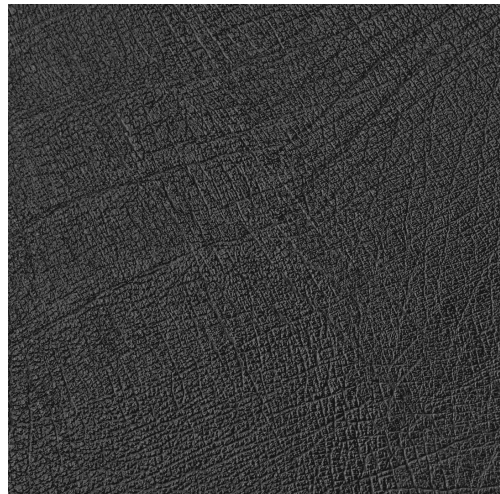
T -M03



T -L02



T -L03



T -L05

Product Specifications for footwear usage

Item	Values
Width	1.2 ± 0.05m
Content for coating	Mycelium composite resin, ester resins, vegetable oil derivatives.
Content for backing	Recycled genuine leather or recycled PET or Microfiber

Performace	Values	Methods
Adhesion	35N/cm	ASTM D751
Adhesion (After alkaline hydrolysis)	25N/cm	ASTM D751
Grab Tensile	134.9 N/cm	GB/T 38612-2020
Elongation at break	145 %*145%	ISO1421
Tearing strength	40N/cm*40N/cm	GB/T 8949-2008
Flex Resistance	100,000 cycles	QB/T 2780-2024
Abrasion resistance	Taber, 1kg, H-22,>400times	J72
NaOH Hydrolysis Resistance	10%, 80°C, 2h, no peeling, no cracks	GB/T 4671-2014
Bursting Strength	>20N	J71 A method
Hydrolysis Resistance	80°C,2h, no peeling, no cracks	J84 B method
Colour fastness to light	Level 4.5	J52 A method
Colour fastness to sunlight	Level 4.5	J52 C method

Environmental and safety	Standards
No heavy metal and related compounds	REACH compliant
No phthalates	ROHS compliant
No Chlorinated Solvents, Volatile Organic Compound (VOC) or other organic solvents	
No Short Chain Chlorinated Paraffins	ISO 18219-1:2021



Environmental Impact :
1kg of Mycelium reduce CO₂ emission of
-17.1650kg with ISO 14067 certificate.



This Product is made with 60%
a USDA Certified Biobased Product

Sustainability-Certification

Beta Analytic
TESTING LABORATORY

Beta Analytic, Inc.
4785 SW 74th Court
Miami, FL 33155 USA
Tel: 305-667-5167
Fax: 305-663-0964
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ISO/IEC 17025:2017-Accredited Testing Laboratory

Summary of Results - % Biobased Carbon Content
ASTM D6866-22 Method B (AMS) TOC

Certificate Number: 58710667413150164
Validation:

Submitter	Yujie Wen
Company	SynMeta bio
Date Received	May 17, 2024
Date Reported	May 23, 2024
Submitter Label	High performance biobased automotive leather-2 D110-1

RESULT:

61 % Biobased Carbon Content (as a fraction of total organic carbon)

Laboratory Number

Beta-607413

Percent modern carbon (pMC)

60.79 +/- 0.15 pMC

Atmospheric adjustment factor (REF)

100.0 = pMC/1.000

Precision on the RESULT is cited as +/- 3% (absolute). The cited precision on the analytical measure (pMC) is 1 sigma (1 relative standard deviation). The reported result only applies to the analyzed material. The accuracy of the RESULT relies on the measured carbon in the analyzed material having been in recent equilibrium with CO₂ in the air and/or from fossil carbon (more than 40,000 years old) such as petroleum or coal. The RESULT only applies to relative carbon content, not to relative mass content. The RESULT is calculated by adjusting pMC by the applicable "Atmospheric adjustment factor (REF)" cited in this report.

Page 3/4

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TESTING LABORATORY

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info@betalabservices.com

ISO/IEC 17025:2017-Accredited Testing Laboratory

Summary of Results - % Biobased Carbon Content
ASTM D6866-22 Method B (AMS) TOC

Certificate Number: 586819667287141011
Validation:

Submitter	Yujie Wen
Company	SynMeta bio
Date Received	June 26, 2023
Date Reported	July 06, 2023
Submitter Label	Naro / (USDA Application# 12682)

RESULT:

100 % Biobased Carbon Content (as a fraction of total organic carbon)

Laboratory Number

Beta-607267

Percent modern carbon (pMC)

101.26 +/- 0.28 pMC

Atmospheric adjustment factor (REF)

100.0 = pMC/1.000

Precision on the RESULT is cited as +/- 3% (absolute). The cited precision on the analytical measure (pMC) is 1 sigma (1 relative standard deviation). The reported result only applies to the analyzed material. The accuracy of the RESULT relies on the measured carbon in the analyzed material having been in recent equilibrium with CO₂ in the air and/or from fossil carbon (more than 40,000 years old) such as petroleum or coal. The RESULT only applies to relative carbon content, not to relative mass content. The RESULT is calculated by adjusting pMC by the applicable "Atmospheric adjustment factor (REF)" cited in this report.

Page 3/4



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