ECOPIXEL BASIC
MATERIAL & PRODUCTION

MADE IN ITALY

Image from products UNIQLO Installation - ecopixel basic made of recycled PERT / Milan - Italy

PROFILE

ECOPIXEL is made up of professionals with 20 years of experience in the plastic industry and more than 5 years of research and development in the recycled plastic field.

ECOPIXEL is a manufacturing company that recycles mono-polymer plastic typology, made from 100% shredded waste material. The material is usually made with industrial thermoplastic waste but more and more also with collected material from any other field including household-waste.

Recycling a mono-polymer means the material can be melted and re-melted an infinite number of times resulting in a forever circular material and creating this way a true "cycle" in material-use. As long as a material stays "clean" (read mono-polymer) it can be transformed at the exact temperature of the polymer involved and so, the material will never "burn" and deteriorate. Keeping polymers separate is thinking also about what happens after the recycled cycle. With ECOPIXEL, after you, someone else will be able to recycle what you have recycled, so never again new extraction of raw materials will be needed.

ECOPIXEL wants to promote the idea of NEVER mixing different plastic-waste-materials so to keep the plastics "clean" and ready for reuse also after each product-lifecycle. Apart from producing products in ECOPIXEL for other companies, ECOPIXEL also exists as a design-label that promotes their own designs.

ECOPIXEL's pre-pressurized production method and especially the maxi-flake version brings plastic recycling onto an entirely different level where the randomly pixelated appearance is brought to a precisely chosen color-pattern, and since the low melting temperature, 120 C melting point, avoids any material quality change during the process, we can speak of a "True Cycle".

ECOPIXEL uses a thin-walled high dispersion energy saving tooling technology.

ECOPIXEL Developed by
Claudio Milioto and
Jan Puylaert
100% made in Italy
production. © 2022

Communications
Mariandrea Zambrano

Via Altipiano 11,
Porto Valtravaglia,
Lago Maggiore, ITALIA

INFO
www.ecopixel.eu
info@ecopixel.eu
Tel. (+39) 345-2107207

ECOPIXEL has achieved the level of know-how & reliability needed to be accepted by the New Plastic Global Commitment / Ellen MacArthur Foundation.

ecopixel
RECYCLED & RECYCLABLE
SUSTAINABLE MATERIAL
ecopixel.eu

MOVING FROM VISION TO ACTION

Jan Puylaert, ecopixel's creative director / holding LUNA Lamp

1907 floor lamp made of 100% recycled plastc.

Mariandrea Zambrano, ecopixel's head of sustainability / SWAB Barcelona

Claudio Milioto, production manager / with Alessndro & Francesco Mendini

RECYCLED & RECYCLABLE

ECOPIXEL COLLECTS, SEPARATES, CHIPS INTO PIECES AND RETRANSFORMS INTO PRODUCTS, WHAT OTHERS THROW AWAY.

CIRCULARITY

ECOPIXEL is an italian manufacturing company that recycles thermoplastic waste-material in order to obtain a recycled (1) and recyclable (2) material creating this way a true *cycle in material-use.

A NEW RECYCLED MATERIAL THAT IS SUSTAINABLE

Materials

ECOPIXEL is a recycled thermoplastic monopolymer material. (1) 3D moulded products (2) SHEET tiles of various size   thickness (3) Injected products. ECOPIXEL comes in a range of multi color & pixelated effects (except for the injected version). Following availability of waste materials it offers different possibilities.

STANDARD COLORS 2022

Wide range of Colors

From the world of "COLOR WASTE" we create melanges eveyday however we depend on an unpredictable supply chain called "TRASH"

ECOPIXEL appears in different faces, even though available in unlimited combinations, is easily recognizable. Each product that is made of ECOPIXEL is unique because the pixels melt together randomly in the production process: By coincidence, the colors don't mix.

Effects & Finishings

Research and tests allow us to offer different effects of different surface finishing procedures on the change in surface roughness and visual textures: TRASHPLAST, PERT, TAPS, REVERSE, BLACK IS THE NEW BLACK, among others.

PRODUCTION SERVICES

MATERIAL & PRODUCT DESIGN

ECOPIXEL sheet material

STANDARD SIZE
40x58cm/ca. in various thickness 6/10/12/15/20 mm
44x170cm/ca. in various thickness 10/15/20 mm
85x180cm/ca. in various thickness 15/20 mm (coming soon)

CUTTING SERVICE
Sheet material, starting from its standard size
Can be cut to size – ECOPIXEL standard cutting service.
Can be cut to complex shapes (medium/large) – ECOPIXEL CNC cutting service.
Can be cut to complex shapes (small) – ECOPIXEL waterjet cutting service.

EXTRA SERVICE
Sheet material can be 3D shaped into complex forms in collaboration with several associated finish service.

ECOPIXEL pressurized method / medium-large 3D shapes

STANDARD CATOLOGUE SHAPES
A vast quantity ready shapes (no tooling required) see PDF

CUSTOMIZED SHAPES
We offer full technical service to transform your idea in the needed technical drawing / tooling / prototype & sample-production. For any production we can arrange customized exclusive productions including packing and transport.

ECOPIXEL plastic injection / small size complex 3D objects

CUSTOMIZED SHAPES
We offer full technical service to transform your idea in the needed technical drawing / tooling / prototype & sample-production. For any production we can arrange customized exclusive productions including packing and transport.
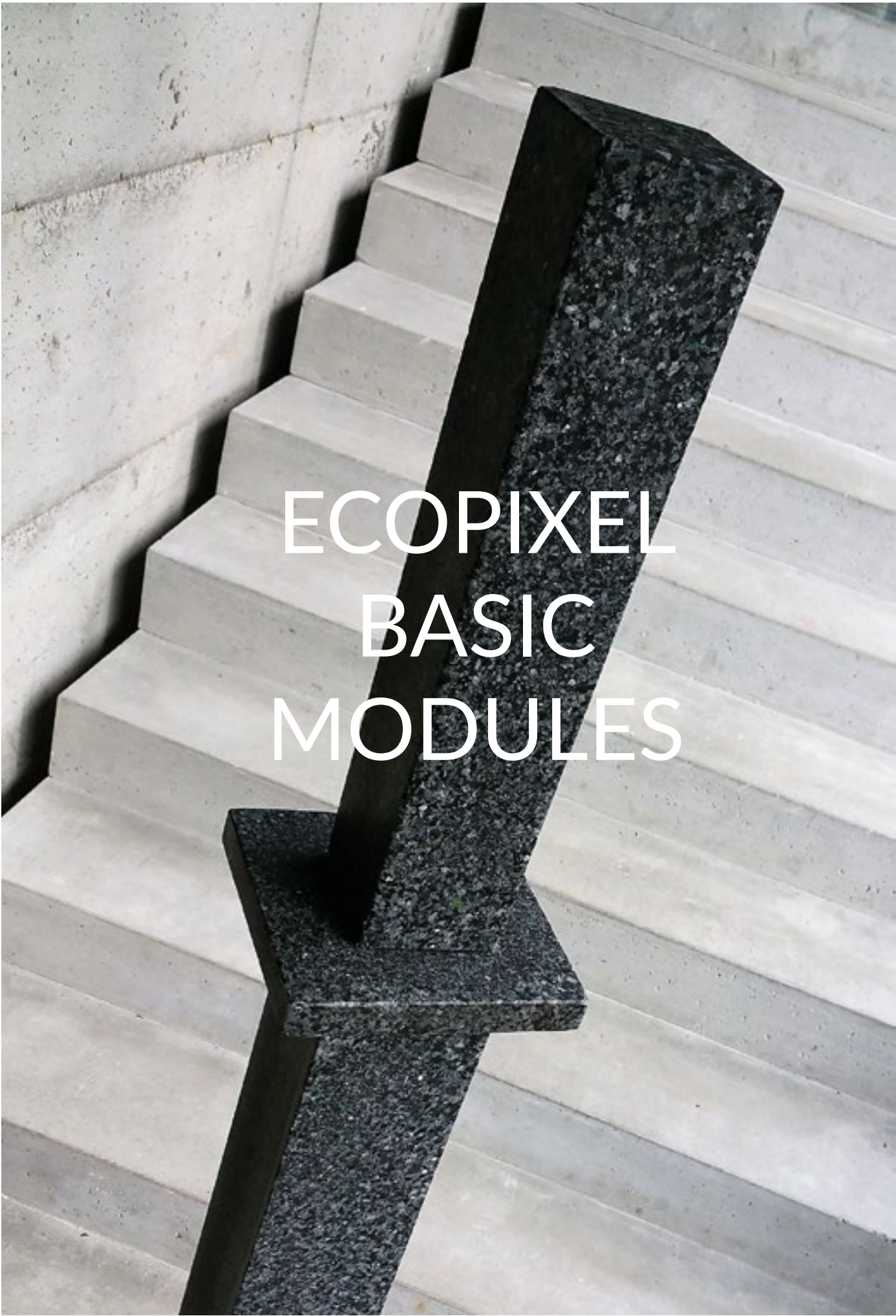
ECOPIXEL BASIC MODULES

SQUARE JOIST

DIMENSIONS
120×120×1500 mm
closed at all sides
4 kg

MULTIPLE ORDERS
20 pcs*

Price (VAT excluded)
€ 40,00

*To order minimum 8 pcs
Is possible by paying the FIX &
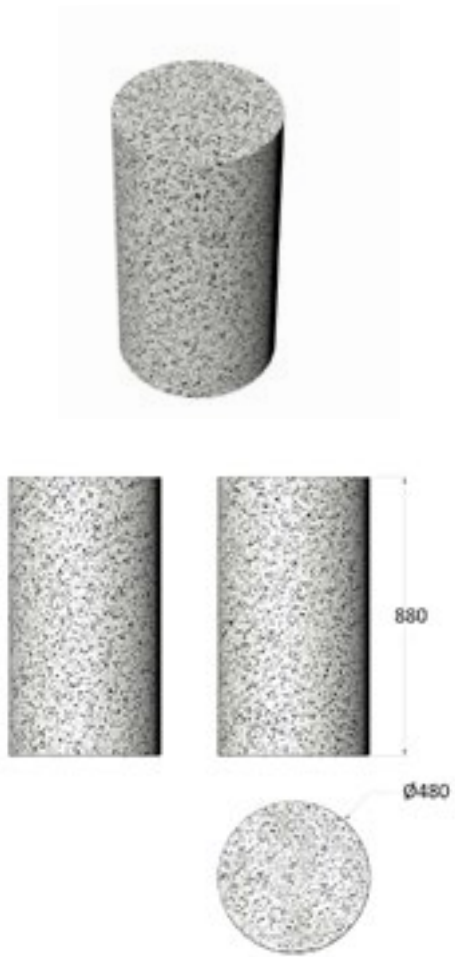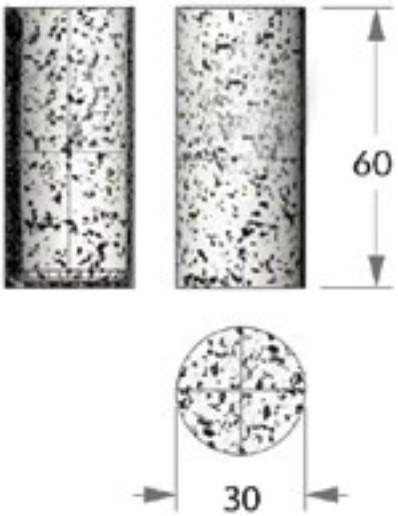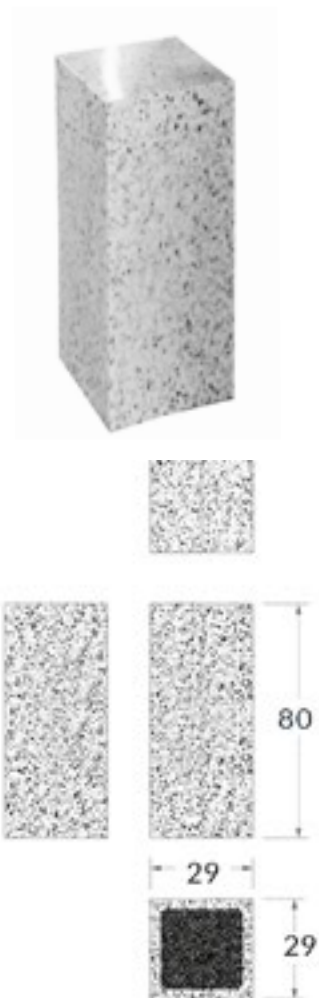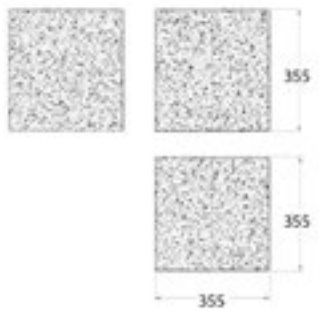Handling €145,00

Minimum 5 pcs per color

120
120   1500

ROUND JOIST 2

DIMENSIONS
1400xØ64 mm
closed at all sides
4 kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 32,00

*To order minimum 8 pcs
Is possible by paying the FIX &
Handling €112,00

Minimum 5 pcs per color

Ø64   1400
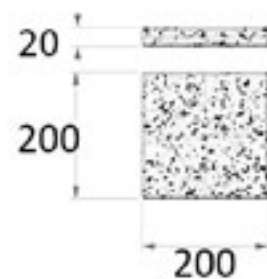
TILE 1

DIMENSIONS

200×200×20h mm
closed at all sides
0,6 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 18,00

Minimum 20 pcs per color
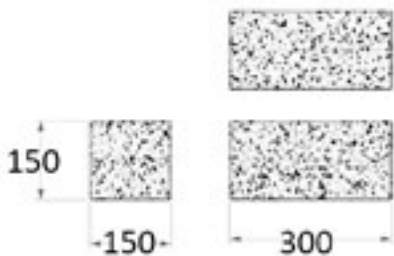
BRICK 1

DIMENSIONS

150×150×300 mm
closed at all sides
1,2 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 20,00

Minimum 20 pcs per color
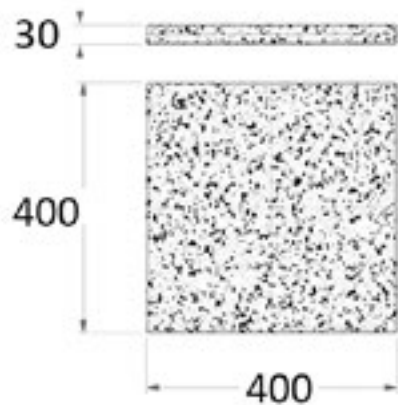
TILE 2

DIMENSIONS

400×400×30h mm
closed at all sides
2,0 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 25,00

Minimum 10 pcs per color
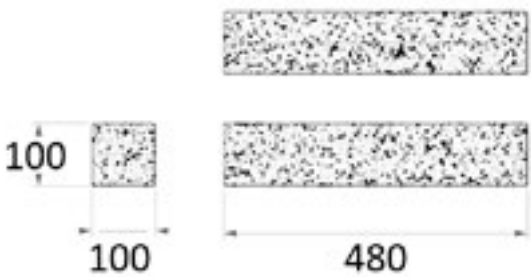
BRICK 2

DIMENSIONS

100×100×480 mm
closed at all sides
2,00 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 24,00

Minimum 10 pcs per color
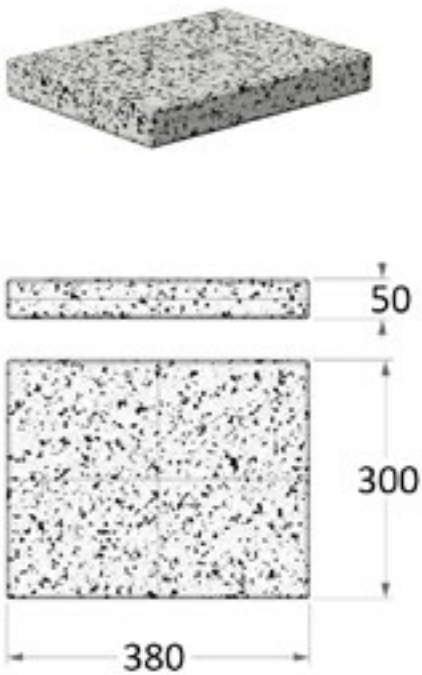
SIMPLE TRAY 1

DIMENSIONS

380×300×50h mm
closed at all sides
1,9 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)

€ 22,00

Minimum 10 pcs per color
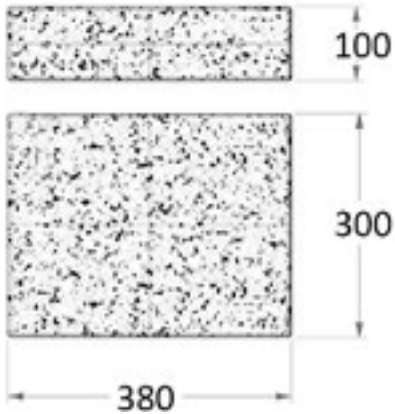
SIMPLE TRAY 2

DIMENSIONS

380×300×100h mm
closed at all sides
2,0 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)

€ 25,00

Minimum 10 pcs per color
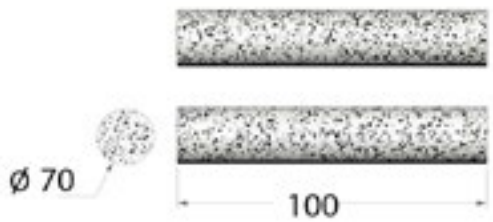
ROUND JOIST 1

DIMENSIONS

100xØ70 mm
closed at all sides
3 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)

€ 30,00

Minimum 6 pcs per color
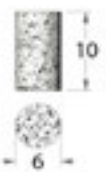
UNICO

DIMENSIONS

10xØ6 mm
closed at all sides
0,3 kg

MULTIPLE ORDERS

90 pcs

Price (VAT excluded)

€ 6,00

Minimum 60 pcs per color
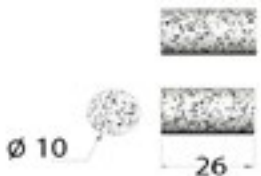
ROUND JOIST 3

DIMENSIONS

26xØ10 mm
closed at all sides
0,5 kg

MULTIPLE ORDERS

40 pcs

Price (VAT excluded)

€ 10,00

Minimum 40 pcs per color
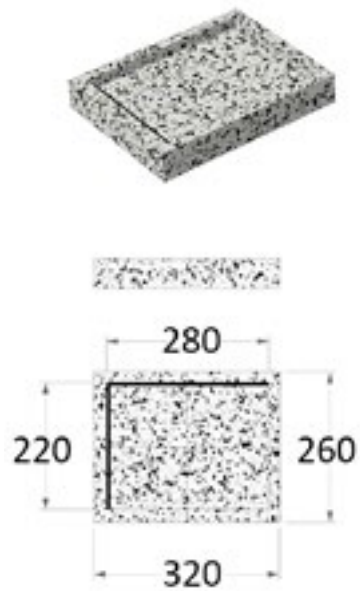
TRAY

DIMENSIONS

320×260×50h mm
Internal TRAY 280×220×20 deep
0,8 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 25,00

Minimum 20 pcs per color

COLLUMN

DIMENSIONS

Diameter 480×880h mm
Internal diameter 360mm
One side open
RIM 120mm
20 kg

MULTIPLE ORDERS

10 pcs

Price (VAT excluded)
€ 102,00

*To order minimum 4 pcs
Is possible by paying the
FIX & Handling €372,00

Minimum 1 pcs per color

DRUM 50

DIMENSIONS

Diameter 260 ×500h mm
closed at all sides
3 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 32,50

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €112,40

Minimum 6 pcs per color

DRUM 60

DIMENSIONS

Diameter 300×600h mm
closed at all sides
4 kg

MULTIPLE ORDERS

20 pcs

Price (VAT excluded)
€ 39,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €143,60

Minimum 5 pcs per color

BOX 50 - Stool

DIMENSIONS
290×290×50h mm
6kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 70,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €145,50

Minimum 3 pcs per color

BOX 80 - Stool

DIMENSIONS
290X290×800h mm
One side open
12 kg

MULTIPLE ORDERS
10 pcs

Price (VAT excluded)
€ 80,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €214,00

Minimum 2 pcs per color

ORGANIZER

DIMENSIONS
355×355×355   h mm
4kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 50,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €145,50

Minimum 5 pcs per color

ORGANIZER by ECOPIXEL
355x355x355mm * 2 modules make deskheight
one side open / stackable / directional
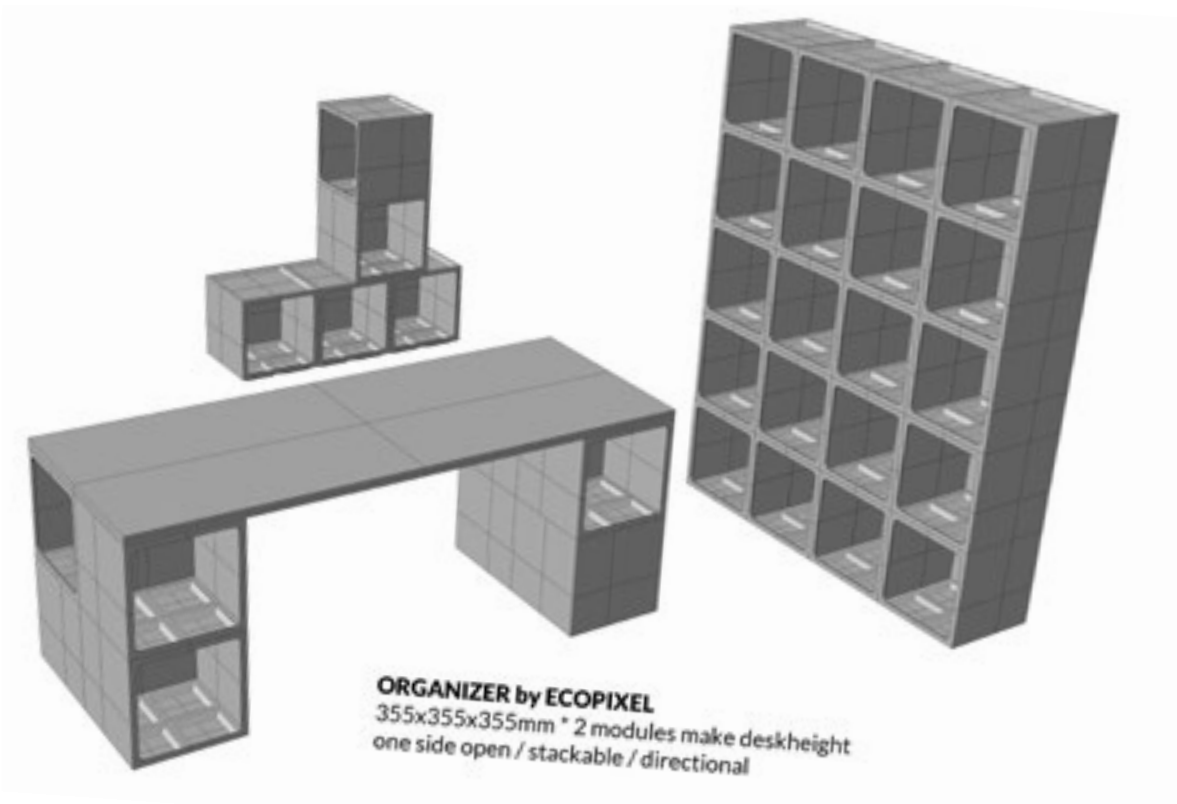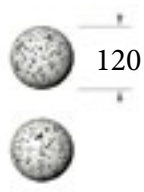
SPHERA 12

DIMENSIONS
Diameter 120 mm
0,7 kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 12,00

Minimum 20 pcs per color

SPHERA 16

DIMENSIONS
Diameter 159 mm
0,6 kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 15,00

Minimum 20 pcs per color
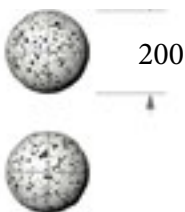
SPHERA 20

DIMENSIONS
Diameter 200mm
1 ,8 kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€20,00

Minimum 10 pcs per color

SPHERA 30

DIMENSIONS
Diameter 297mm
2 kg

MULTIPLE ORDERS
20pcs

Price (VAT excluded)
€ 25,00

Minimum 10 pcs per color

SPHERA 45

DIMENSIONS
Diameter 450mm
3 kg

MULTIPLE ORDERS
20pcs

Price (VAT excluded)
€ 30,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €110,00

Minimum 6 pcs per color

SPHERA 60

DIMENSIONS
Diameter 600mm
4 kg

MULTIPLE ORDERS
20 pcs

Price (VAT excluded)
€ 56,00

*To order minimum 8 pcs
Is possible by paying the
FIX & Handling €206,50

Minimum 5 pcs per color
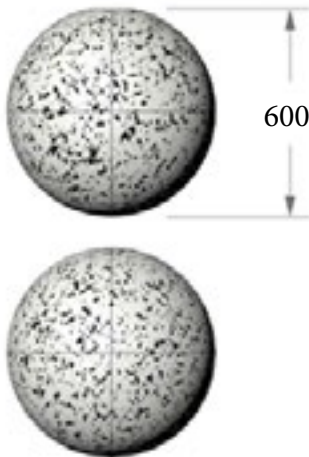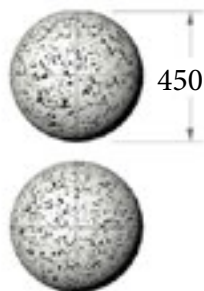
colors

standard

STANDARD COLORS

Made from ready colored waste streams

This group shows a range of 32 obvious colors and black and whites that we call "STANDARD" because its components are ready-colored waste materials as we find them. No pigments are added, and thus minimal added energy was needed to create these mixtures.

eco-001   PURE WHITE

ECO***

eco-010

ECO***
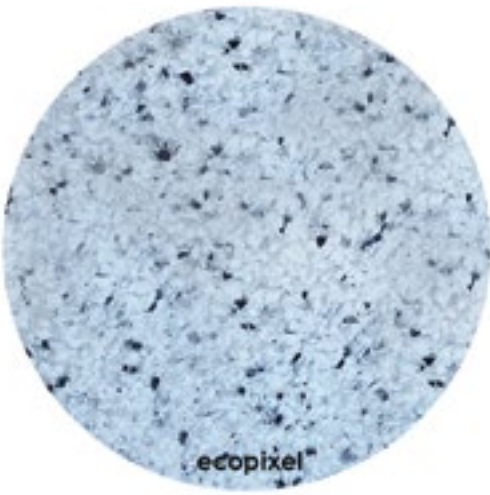
eco-012

ECO***

eco-000   ALABASTER

ECO***

eco-000k BLACK REGENERATED

ECO***

eco-013

ECO***
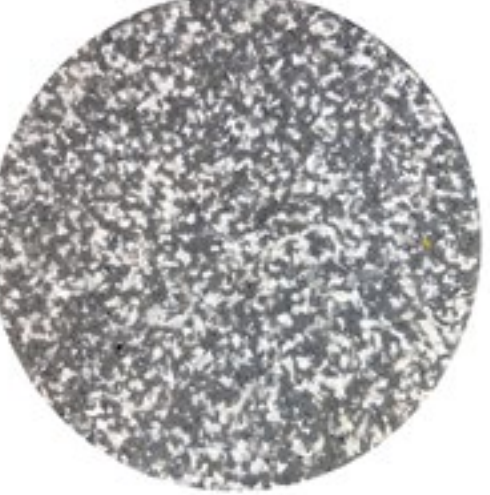
eco -050   GREY

ECO***
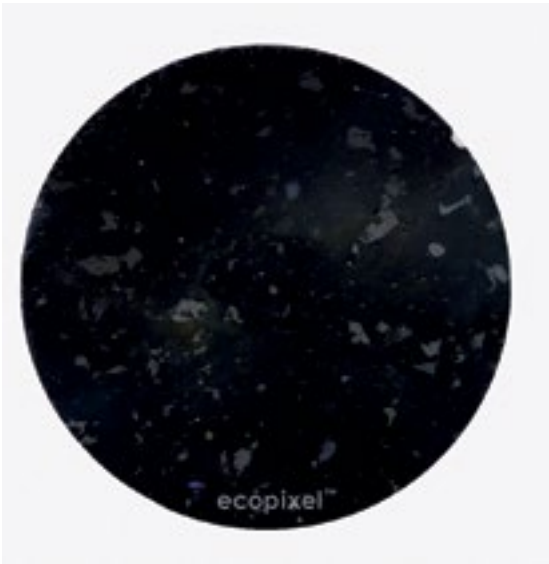
eco-051   BATMAN
BLACK IS THE NEW BLACK

ECO***

eeco-052   Blue de Gascogne
BLACK IS THE NEW BLACK

ECO***

eco-062

ECO***

eco-092

ECO***

eco-017   RO
BLACK IS THE NEW BLACK

ECO***

eco-031   GALAXY
BLACK IS THE NEW BLACK

ECO***

eco-072

ECO***
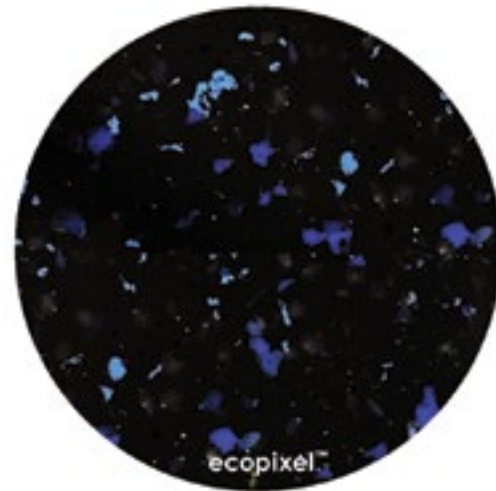
eeco-082

ECO***

eco-063

ECO***

eco-093

ECO***

eco-064

ECO***

eco-094

ECO***

eco-073

ECO***

eeco-083

ECO***

eeco-074

ECO***
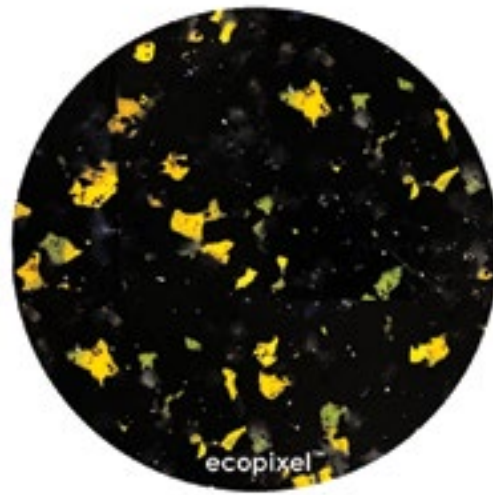
eeco-084

ECO***

eco-065

ECO*

eco-095

ECO*

eco-066

ECO*

eco-096

ECO*

eco-075

ECO*
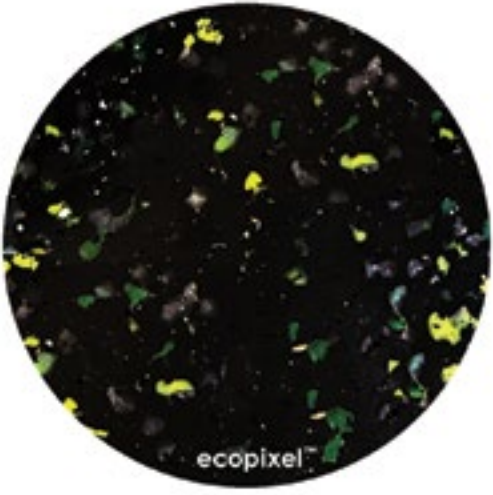
eco-085

ECO*

eco-076

ECO*

eco-086

ECO*

ecopixel TERRACOTTA

Recycling flower vases led to this remarkable line of 4 types of terracotta impressions.
No pigments are added and so minimum added energy was needed to create these mixtures.

eco-016 W	TAPS W	eco-016 N	TAPS N
ECO***		ECO***	

eco-100	TERRA LIGHT	eco-101	TERRA NT
ECO***		ECO***	

eco-069	TRASH	eco-016K	TAPS BLACK
ECO***		ECO***	
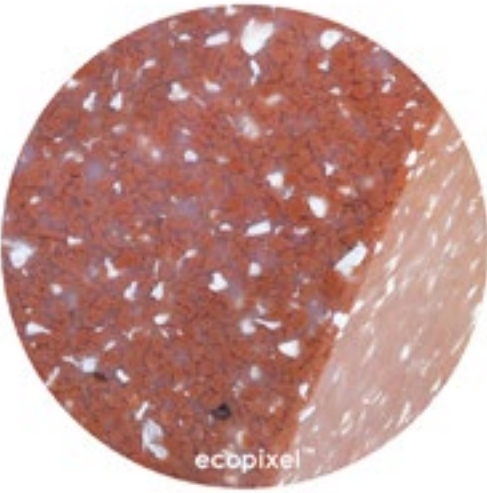
eco-103	TERRA WHITE	eco-104	TERRA BLACK
ECO***		ECO***	
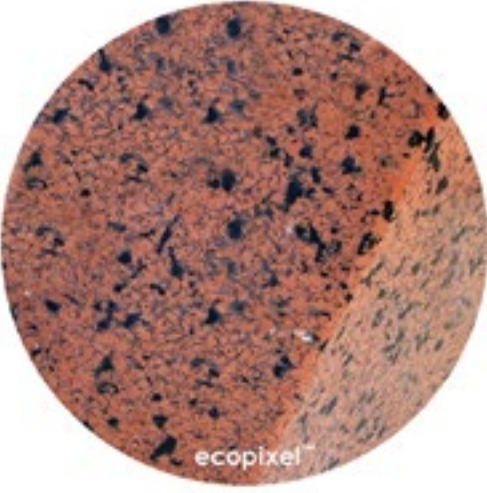
colors

ecopixel ENCANTO

PIGMENTED by **ecopixel®**

ecopixel ENCANTO

by Mariandrea Zambrano: A group of 32 colors based on a specific color study inspired by the Colombian Cultural Heritage. ENCANTO Was created thanks to the pigmentation of recycled plastics and, therefore, precisely follows the color study as was intended, creating an extremely balanced color palette.

eco-205e   WINE

ECO***   ♻ 4 LDPE
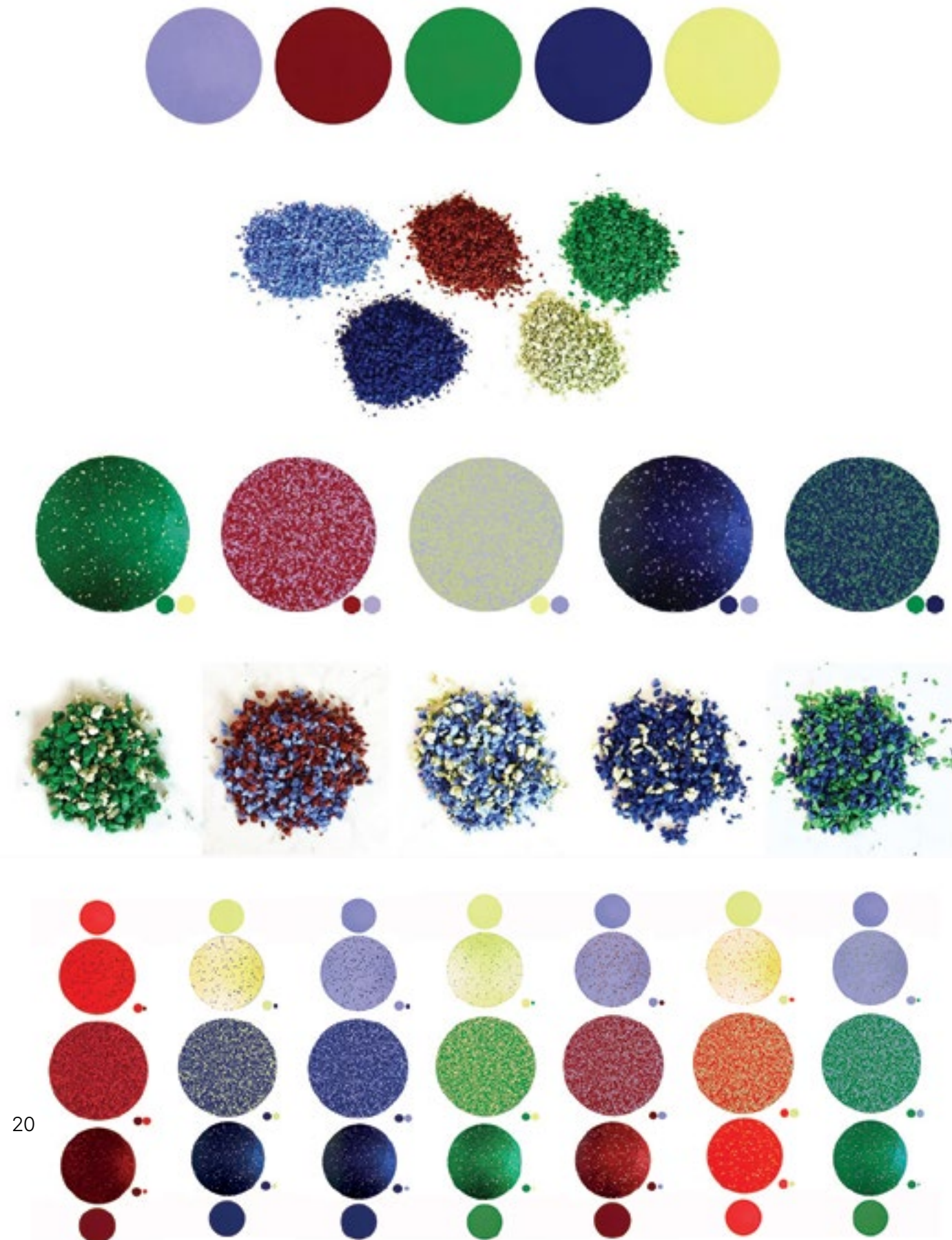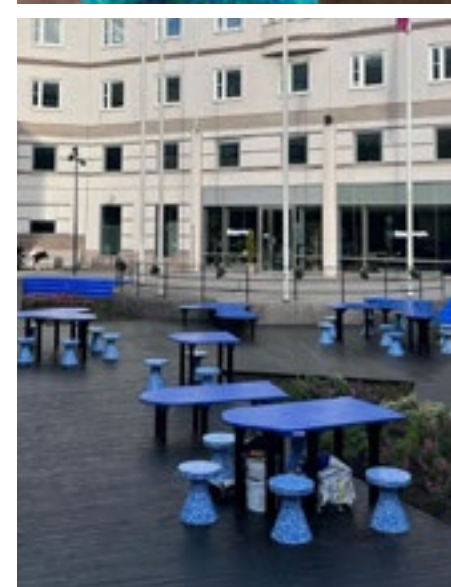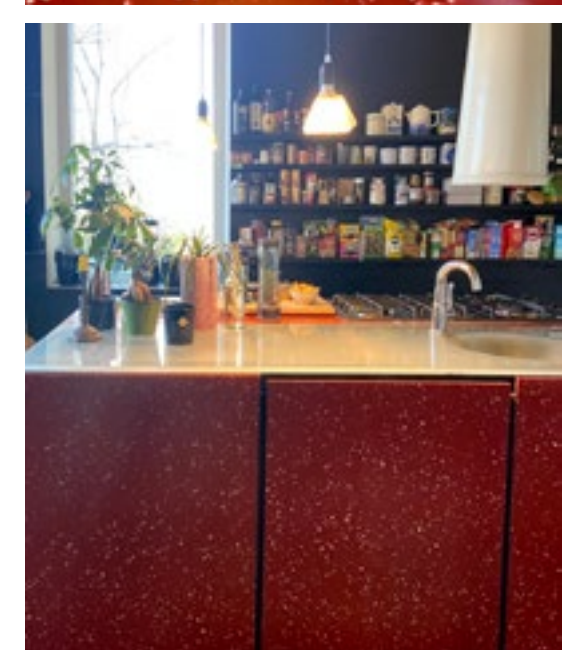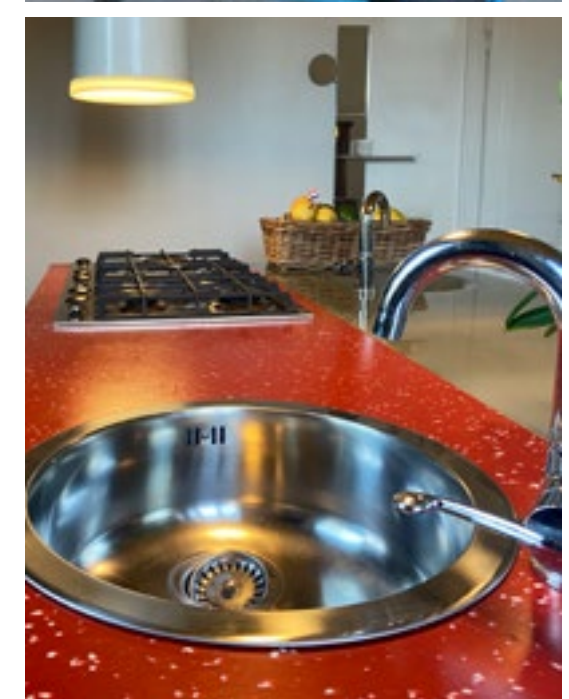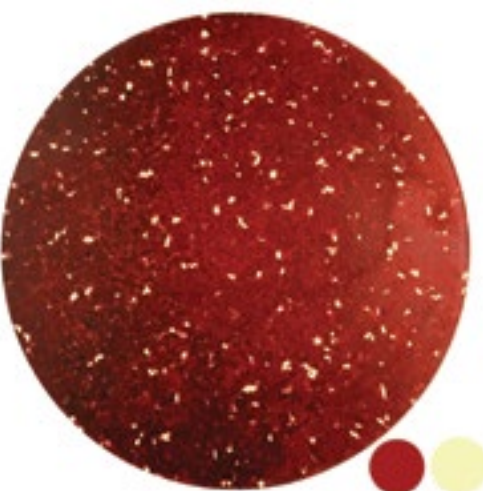
eco-206e   BRANDY

ECO***   ♻ 4 LDPE
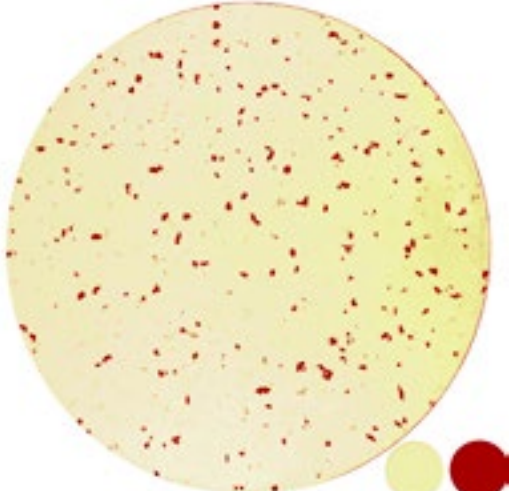
eco-207e   LINSEED

ECO***   ♻ 4 LDPE
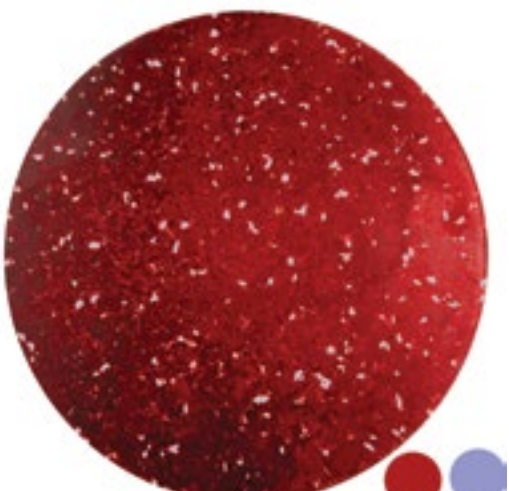
eco-208e   TWILIGHT LAVANDER

ECO***   ♻ 4 LDPE

eco-209e   KEY LIME

ECO***   ♻ 4 LDPE

eco- 210e   REDWOOD

ECO***   ♻ 4 LDPE
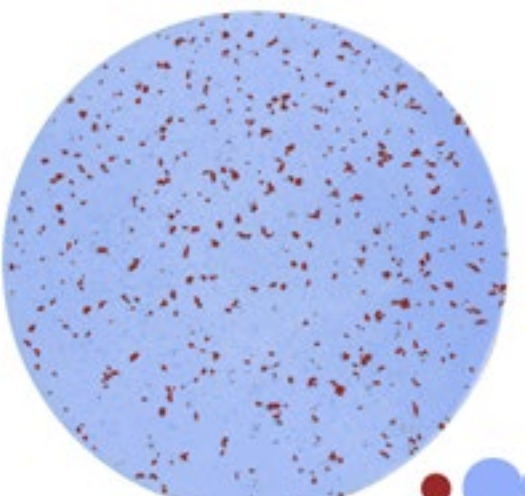
eco-211e   LAVANDER

ECO***   ♻ 4 LDPE
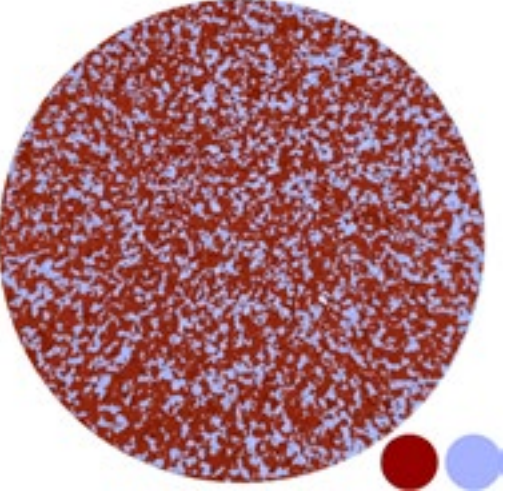
eco-212e   COLOMBIAN LILA

ECO***   ♻ 4 LDPE
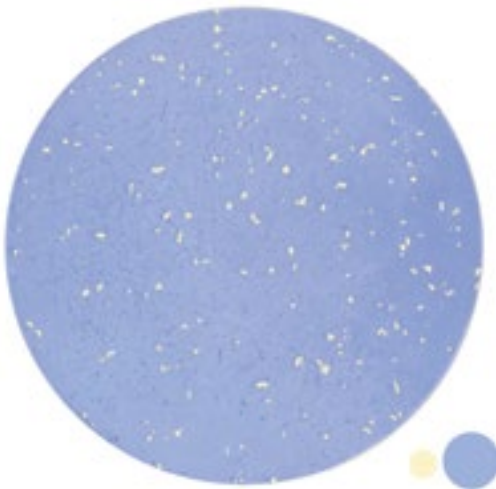
eco-213e   BLUE YONDER

ECO***
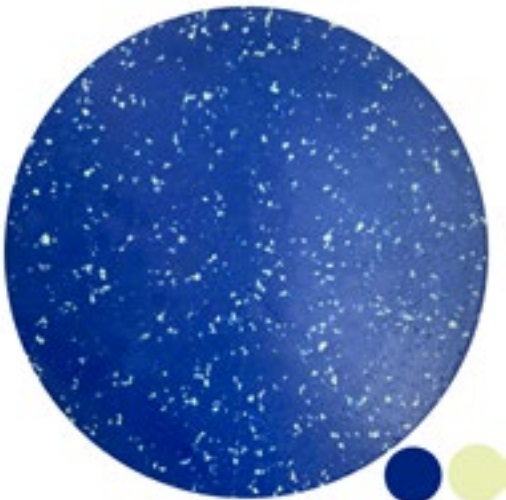
eco-214e   MIDNIGHT NAVY

ECO***
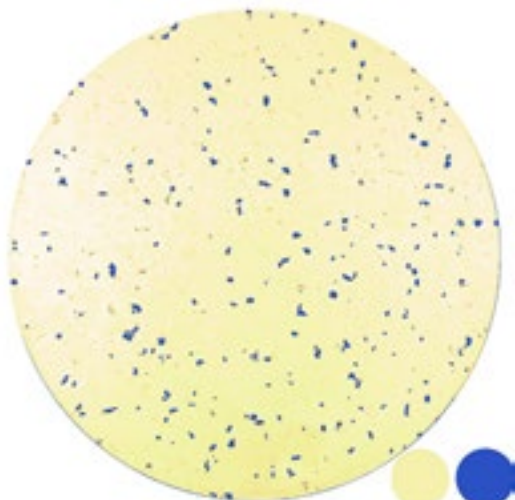
eco-215e   SAGE

ECO***
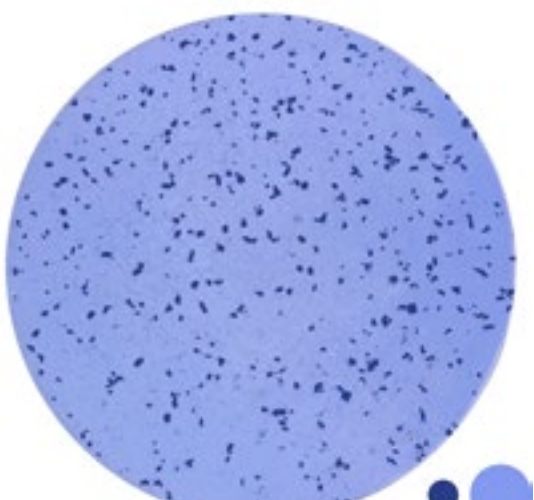
eco-216e   VIOLET BLUE

ECO***
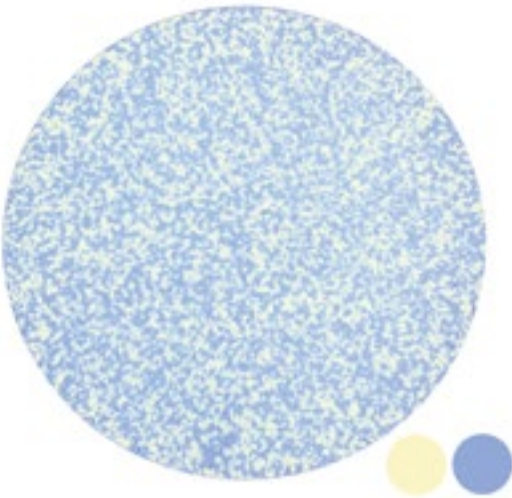
eco-217e   SILVER SAND

ECO***
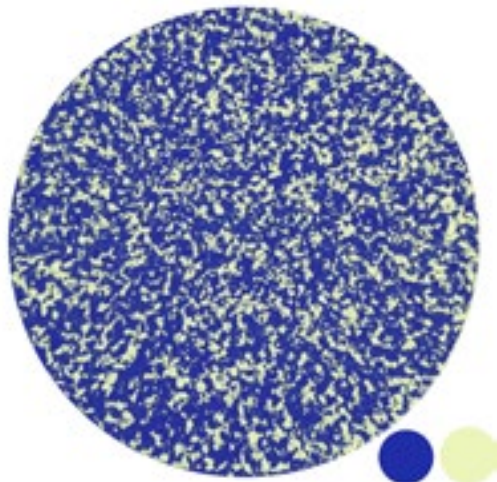
eco-218e   SLATE BLUE

ECO***
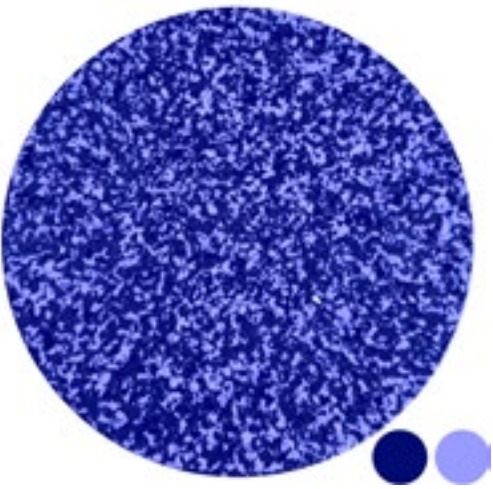
eco-219e   LIBERTY

ECO***
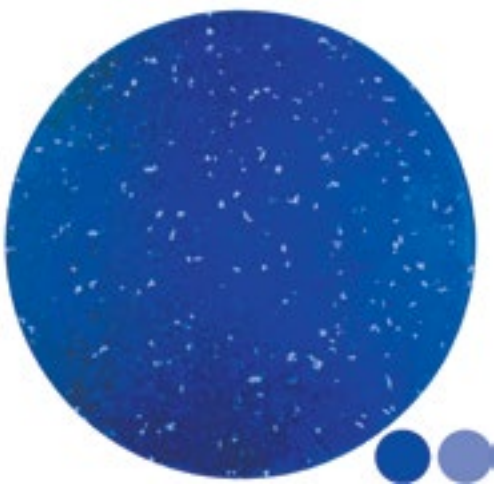
eco-220e   MIDNIGHT VIOLET

ECO***
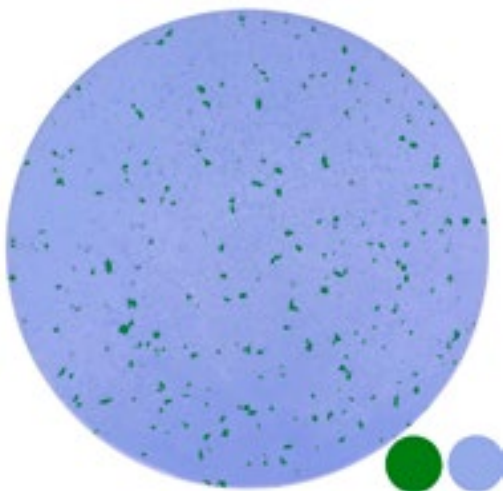
eco-221e   **CERULEAN FROST**

ECO***   4 LDPE
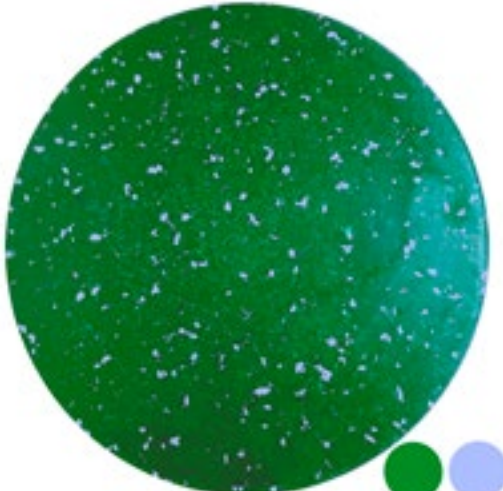
eco-222e   **SILVER TEAL**

ECO***   4 LDPE
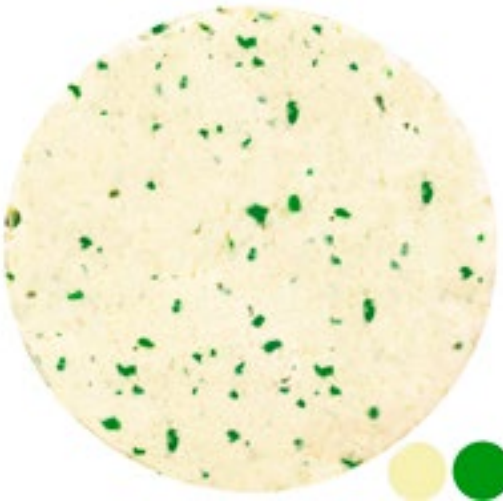
eco-223e   **PISTACHIO**

ECO***   4 LDPE

eco-224e   **TINTO**

ECO***   4 LDPE
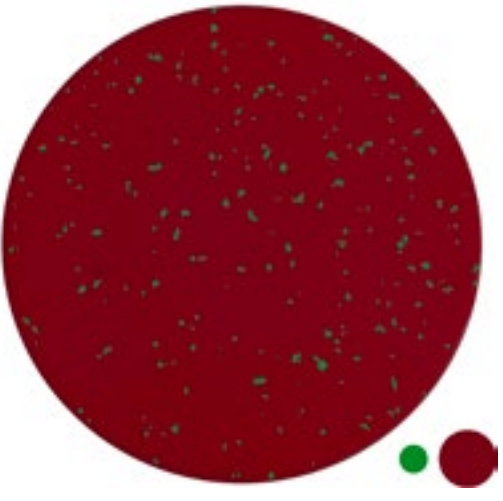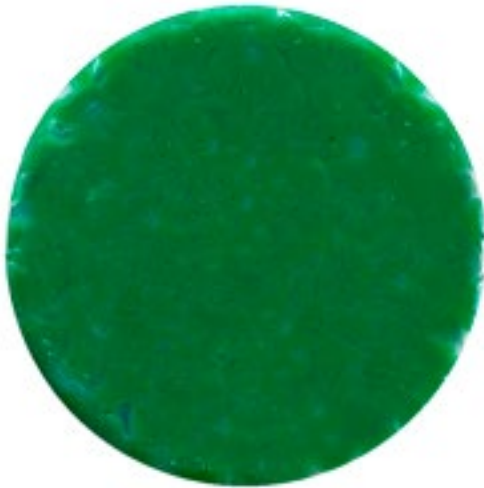
eco-225e   **FOREST GREEN**

ECO***   4 LDPE
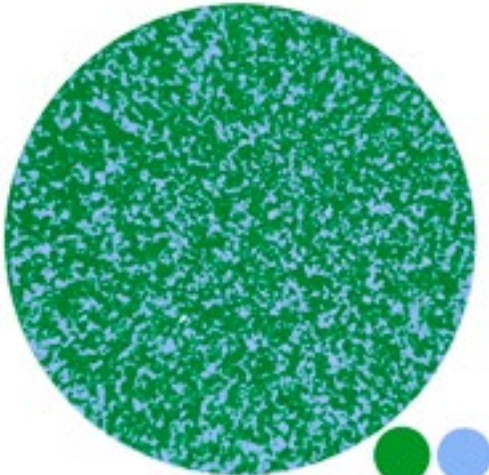
eco-226e   **EMERALD**

ECO***   4 LDPE

eco-227e   **KIWI**

ECO***   4 LDPE

eco-228e   **KUNA**

ECO***   4 LDPE
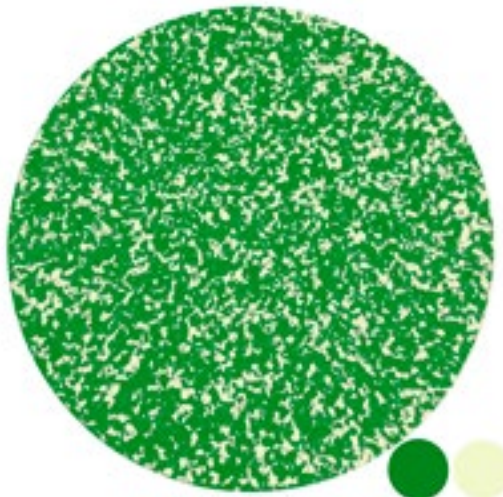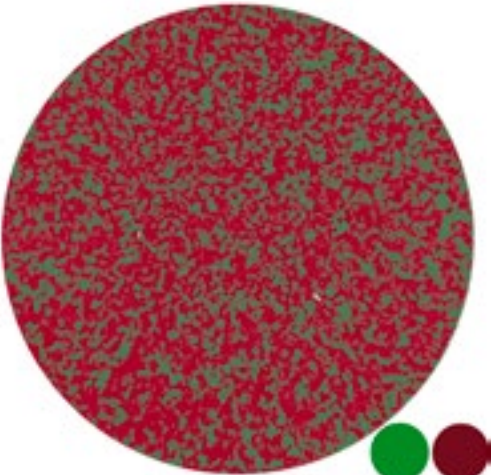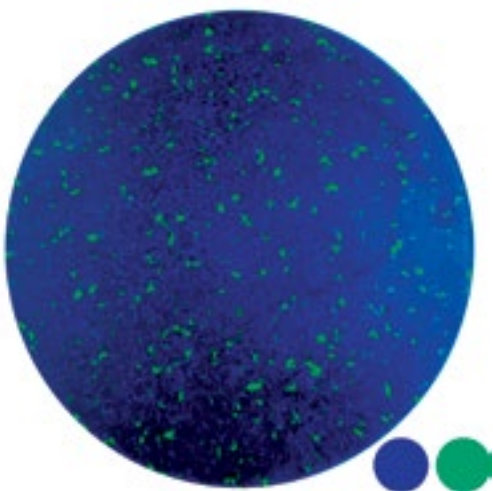
eco-229e   **ROYAL BLUE**

ECO***
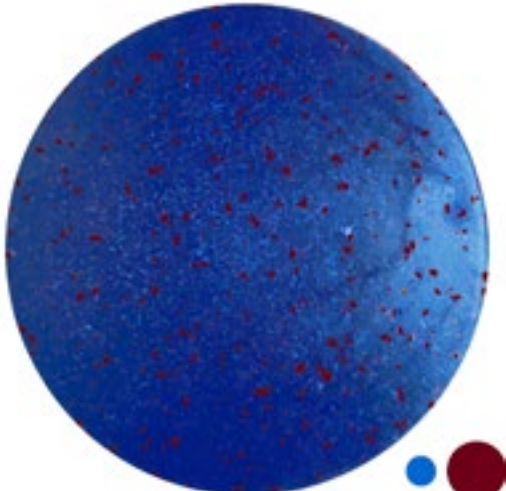
eco-230e   **ULTRAMARINE**

ECO***
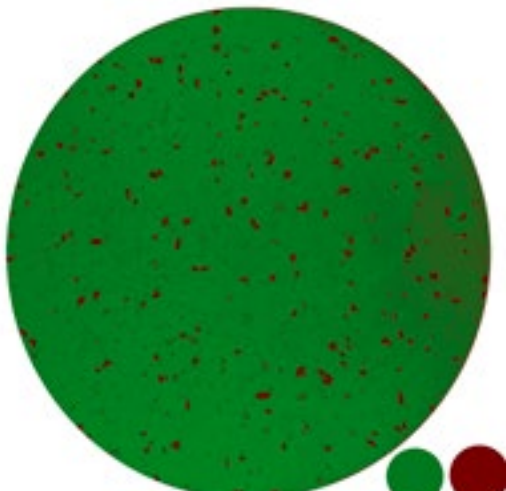
eco-231e   **HUNTER GREEN**

ECO***
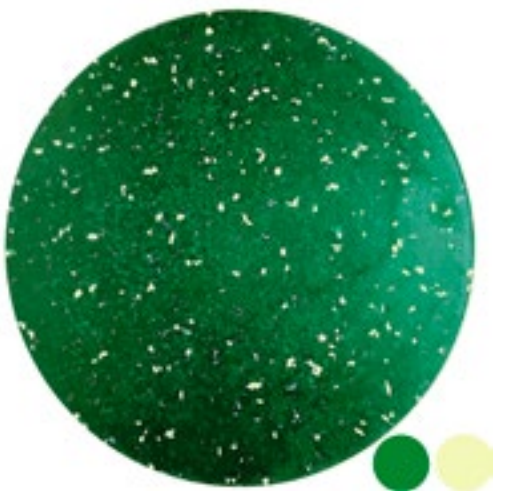
eco-232e   **MAY GREEN**

ECO***
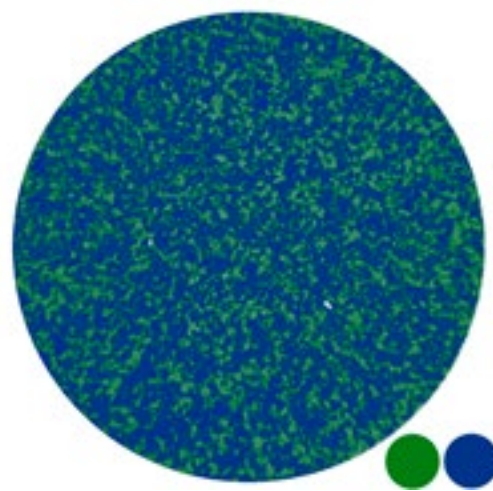
eco-233e   **EAGLE GREEN**

ECO***
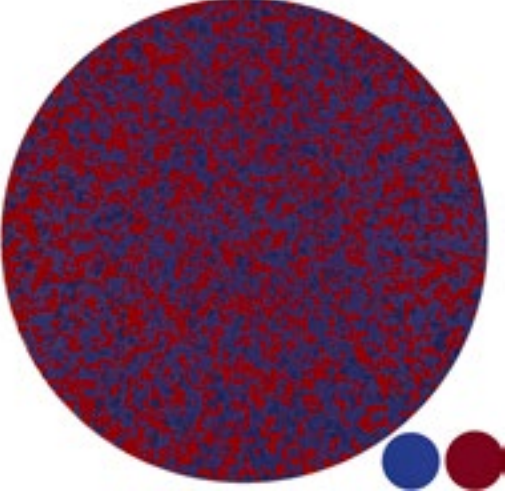
eco-234e   **TYRIAN PURPLE**

ECO***

eco-235e   **MIDNIGHT BLUE**

ECO***
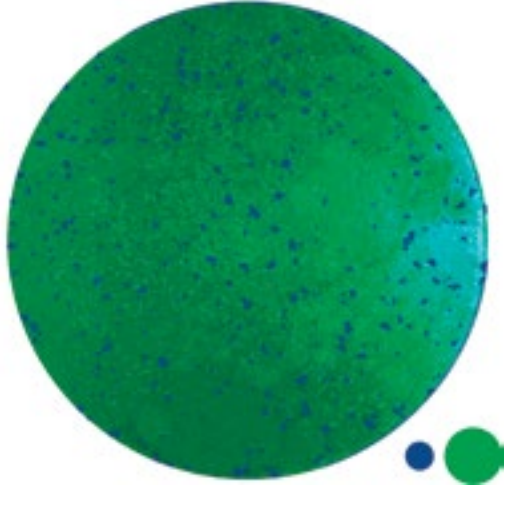
eco-236e   **CASTLE GREEN**

ECO***

colors

ecopixel GUAJIRA

PIGMENTED by **ecopixel®**

ecopixel GUAJIRA

GUAJIRA color palette, by Mariandrea Zambrano, is inspired by **the beautiful contrasts of the Guajira Desert in Colombia and includes warm and muted tones.**
It fits elegantly into any environment, matching with natural colors such wood, leather, cork, stone...
GUAJIRA was created thanks to the pigmentation of recycled plastics and therefore precisely follows the color study as was intended, creating this extremely balanced color palette.

eco-301g **ISASHII -** Mi Tierra

ECO***
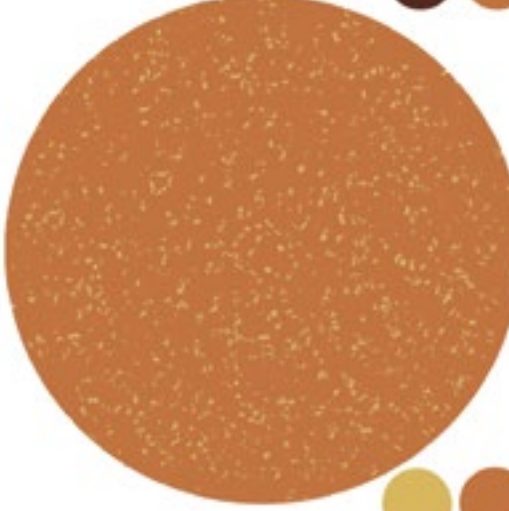
eco-302g **YUUI -** TABACO

ECO***

eco-303g **OORO**

ECO***

eco-304g **MAIKKI -** MAIZ

ECO***

eco-305g **ICHII -** SAL

ECO***

eco-306g **ASEYUU-** ESPIRITU

ECO***

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33

* The names of the colors have been inspired by the Wajuu language. The Wayuu are an Indigenous ethnic group of the Guajira Peninsula in northernmost Colombia.

The stillness of the clear blue skies of the Guajira Peninsula is interrupted by intense pink glows that dissolve in spirals over the lagoons of **the Santuario de Los Flamencos:** tall, slender birds with pink plumage.
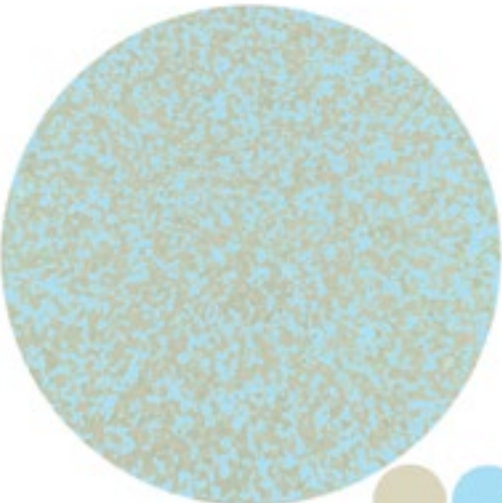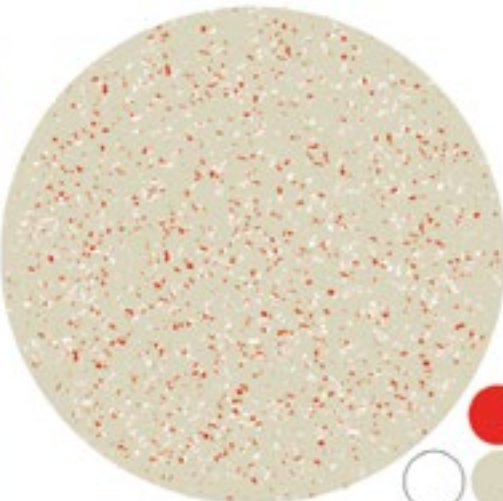
eco-307g   **PALAA -** MAR

ECO***

eco-308g   **KAI** -SOL

ECO***
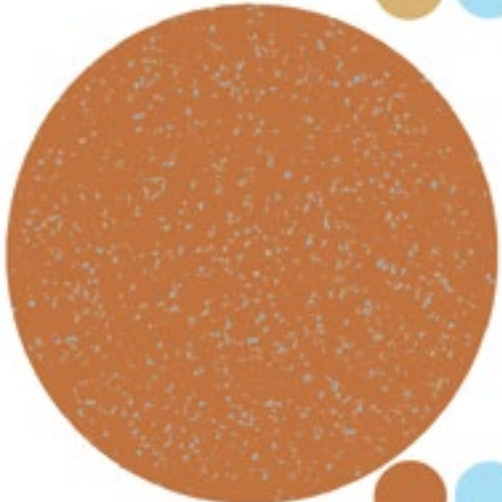
eco-309g   **MMA**-MadreTierra

ECO***

eco-310g   **IPA -** PIEDRA

ECO***

eco-311g   **SIKI** -FUEGO

ECO***

eco-312g   **ISHOO**-SER ROJO

ECO***

34

35

* The names of the colors have been inspired by the Wajuu language. The Wayuu are an Indigenous ethnic group of the Guajira Peninsula in northernmost Colombia.

colors
ecopixel MAROON

PIGMENTED by ecopixel®

ecopixel MAROON
Pixel structured
98% recycled pkastics
(plus 2% pigment)

Composition
PELD4
Source
Post Industrial / Packing
Recycled content
100%

eco-320M MAROON

ECO***

eco-321M MAROON - GREEN

ECO***

MAROON is the first of a group of colors that become popular at different times, that are usefull in areas where new products are continuously emerging.
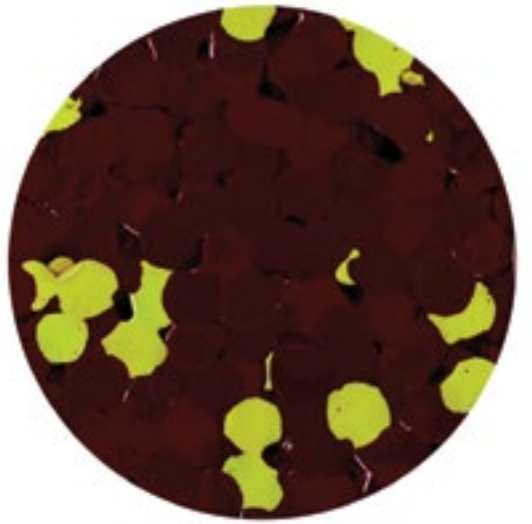
eco-321M POINT   MAROON
-GREEN

ECO***

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eco-322M POINT   MAROON
-ACQUA

ECO***
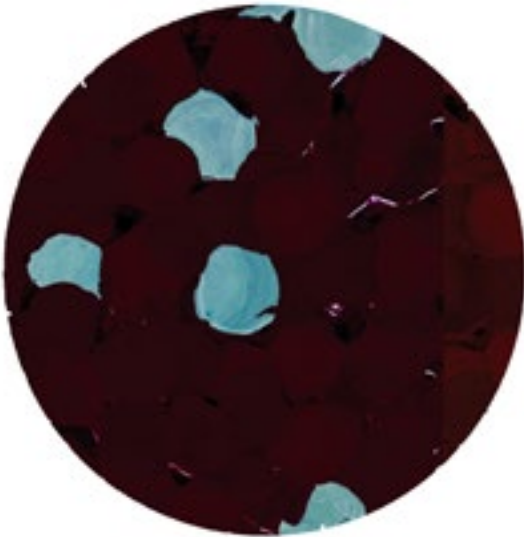
eco-323M POINT   MAROON
-GREY

ECO***
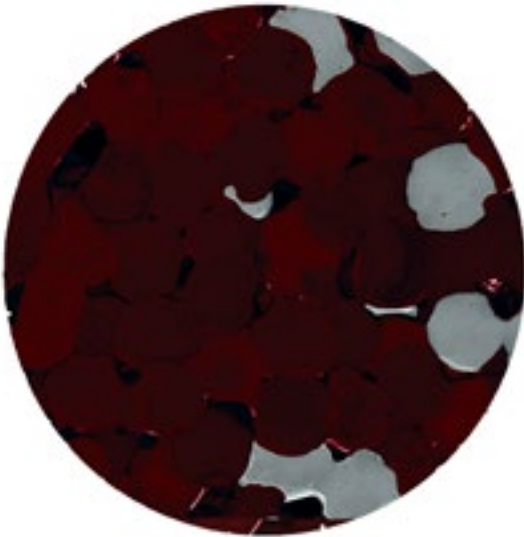
eco-324M POINT   MAROON
-SAND

ECO***
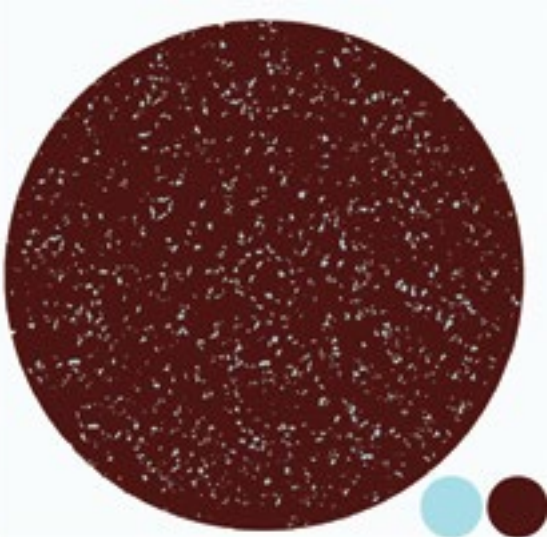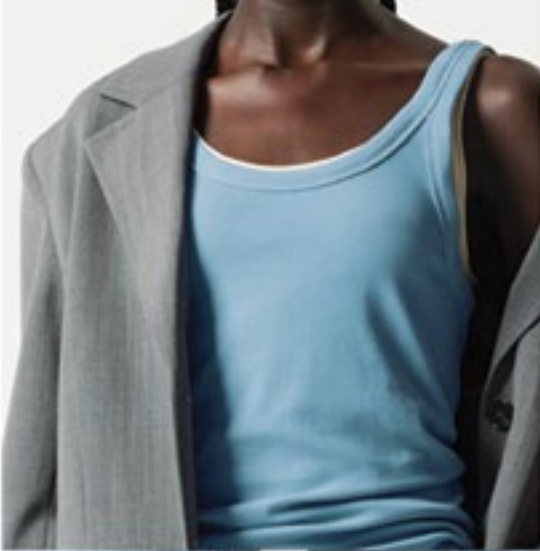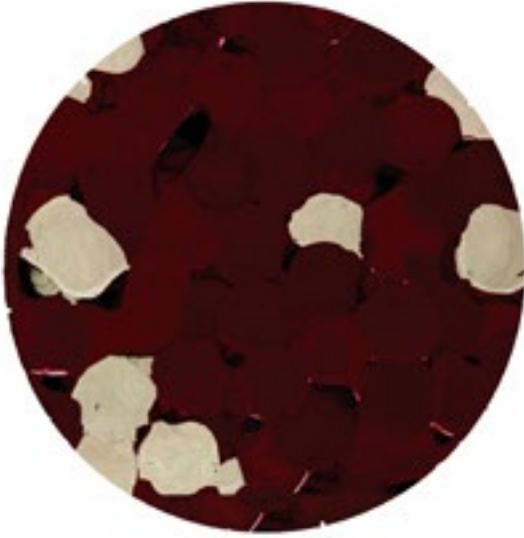
eco-322M **MAROON**-ACQUA

ECO***
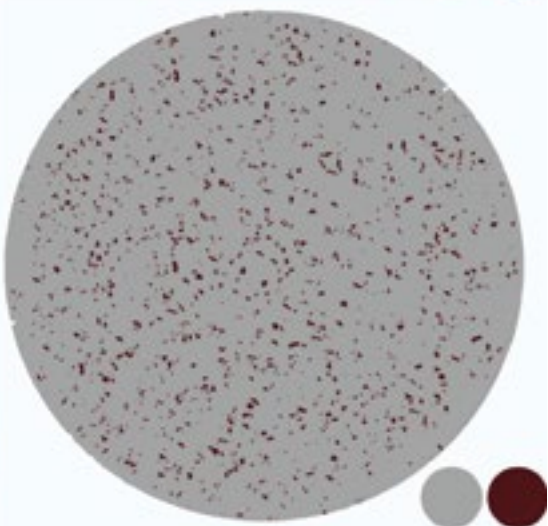
eco-323M   **MAROON** -GREY

ECO***
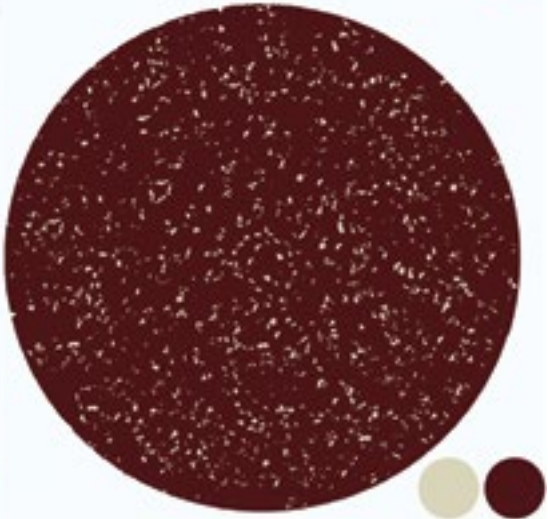
eco-324M   **MAROON** -SAND

ECO***

OPEN SKIN

This "open-pixel" is an effect of structure in the material that gives lightness and softness to the object

This three-dimensional texture makes colors look more vivid, intense and saturated.
Nevertheless this surface texture allows the light to pass through, creating a play of casual light in the environments.
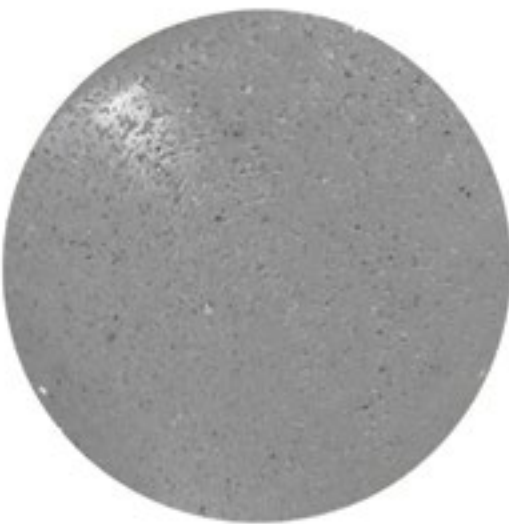
open-000K **BLACK**

ECO*** [recycle symbol 4 LDPE]

open-001 **WHITE**

ECO*** [recycle symbol 4 LDPE]

open-Grey **GREY**

ECO*** [recycle symbol 4 LDPE]

open-Blue **BLUE**

ECO*** [recycle symbol 4 LDPE]
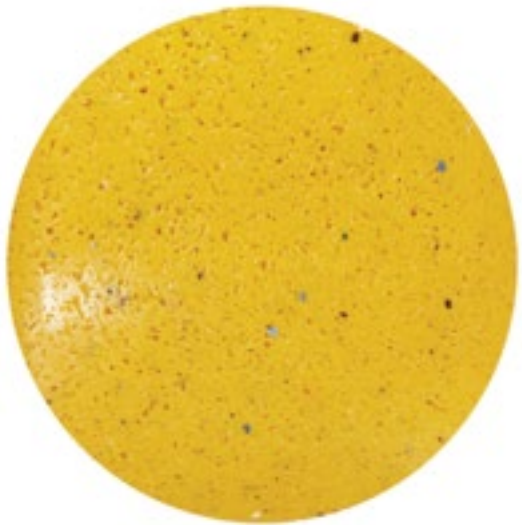
open-Yellow **YELLOW**

ECO*** [recycle symbol 4 LDPE]

open-Red **RED**

ECO*** [recycle symbol 4 LDPE]
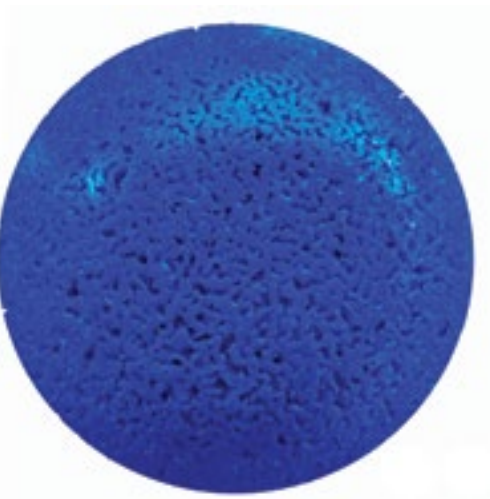
eco-407o OPENSKIN

ECO***

eco-410o OPENSKIN

ECO***

eco-413o OPENSKIN

ECO***

eco-414o OPENSKIN

ECO***

eco-411o OPENSKIN

ECO***

eco-412o OPENSKIN

ECO***

eco-415o OPENSKIN

ECO***

eco-416o OPENSKIN

ECO***

eco-408o   OPENSKIN

ECO***

eco-409o   OPENSKIN

ECO***

eco-418o   OPENSKIN

ECO***

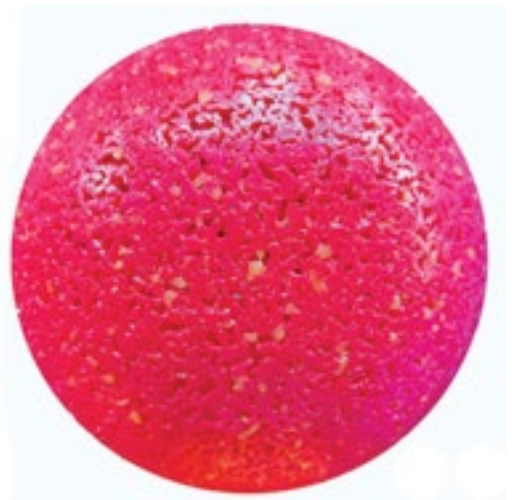eco-419o   OPENSKIN

ECO***

eco-417o   OPENSKIN

ECO***

eco-420o   OPENSKIN

ECO***

eco-421o   OPENSKIN

ECO***

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ecopixel.eu

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made from
plastic waste materials**

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info@ecopixel.eu | T. +39 3452107207
Via Altipiano 11, Porto Valtravaglia,
Lago Maggiore, ITALIA