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ecopixel materials **RECYCLED MIX for** ROTOMOLDING

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.

ECOPIXEL melts different recycled into any color of choice.

MOLDING experience, ECOPIXEL well as texture effects. is a pioneer in recycling plastics. ECOPIXEL often works on custom-Although ROTOMOLDING shred- ized solutions to best meet your ded flakes instead of standard

micronized powder seems incredplastics together into wonderful ibly simple it occurs difficult and and amazing colored patterns complex at the same time. ECOPthroughout its entire material IXEL will guide you to the magic thickness. ECOPIXEL melts into balance between the exact mixstrong and structural materi- ture* of materials and the precise als, giving birth to an entirely mold temperatures needed to new future in plastic recycling. achieve almost any product of Developing this new production choice. ECOPIXEL supplies mixpossibility, ECOPIXEL has opened tures for the most diverse product a new market where recycled fields (outdoor, indoor, wateraspects meet refreshing new color proof, mini, open, translucid etc. aspects, releasing incredible posetc.) in hundreds of color combisibilities for designers that can nations. With ECOPIXEL you enter now work with pigmented waste a world of possibilities, too vast to mention. Our designers work non-stop on new trending color Since 2006, with firsthand ROTO- pigments and combinations as

needs

Although from the very first shredding methods, lead to commoment obtaining these highly pletely different pixel effects and innovative "visual" results, it has guide us to very precise percentmore often been our technical ages to obtain these precise color interest that pushed us ahead. effects. Studying ECOPIXEL made From the beginning, it was clear us realize that textures do not just that the secret is the exact material choice or a specific material but are obtained thanks to specific mix. Using LDPE or LLDPE, but material mixtures and sometimes sometimes also HDPE, MDPE, or even production cycles. As we even RTPE, it is clear that not all strictly use either PE, a circular typologies mix the same way. Dif- (recyclable) material is obtained. ferent materials, even different

develop through color percentage

ECOPIXEL divides its mixtures into different groups as they were developed with different cultural background inputs. ECOPIXEL never underestimates the importance of color and constantly updates its catalogue/databank. Our colors are carefully studied and based on ongoing color trends as well as a follow-up from waste availabilities. ECOPIXEL develops customized colors on demand, creating customized pigments on request - please ask our specific sales team for info.



COOSTANDARD

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.

*** Please notice that these group of STANDARD colors may vary from batch to batch as the tonalities will come each time from different sources.



eco-001	PURE WHITE
FCO***	



eco-000 ALABASTER

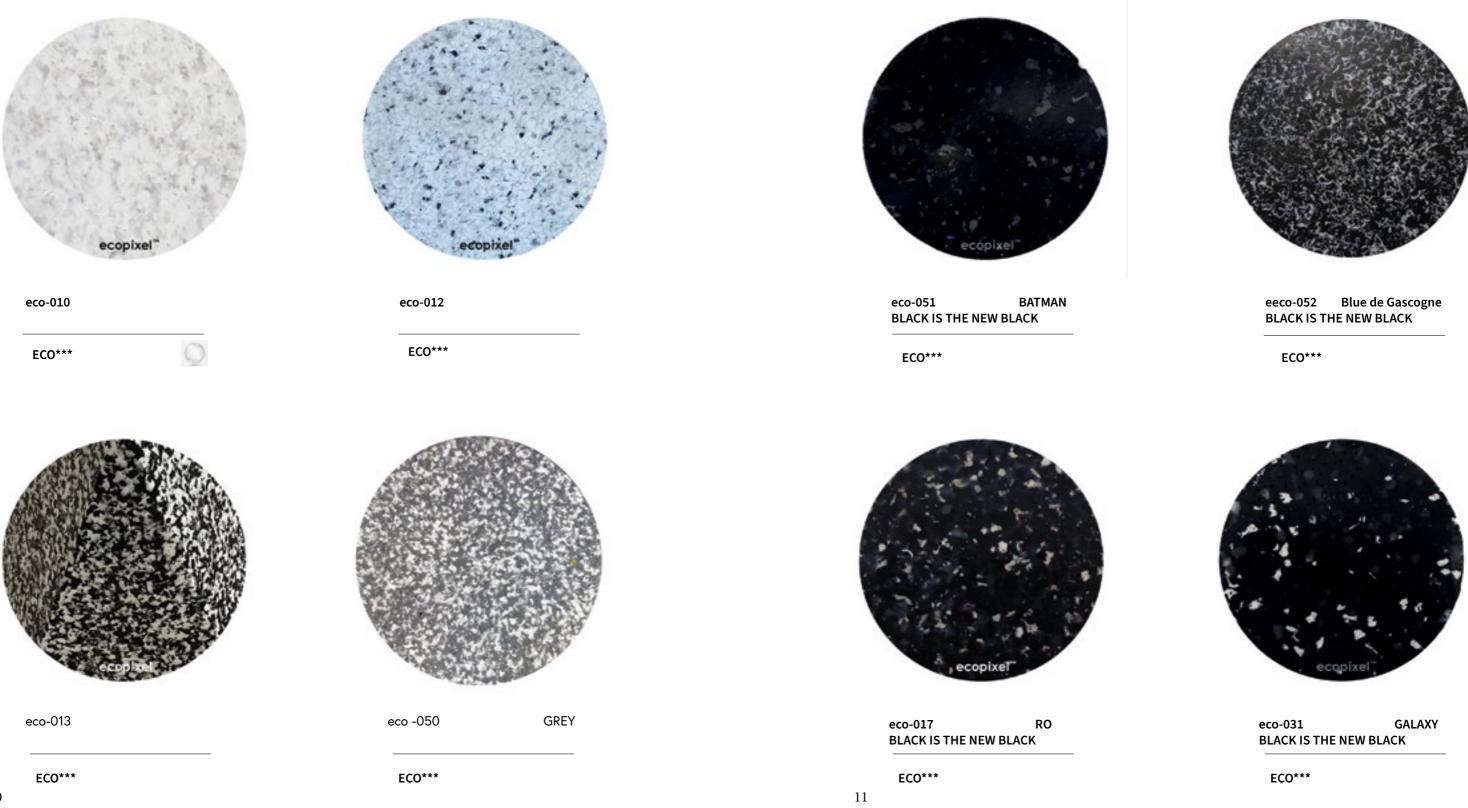
ECO***



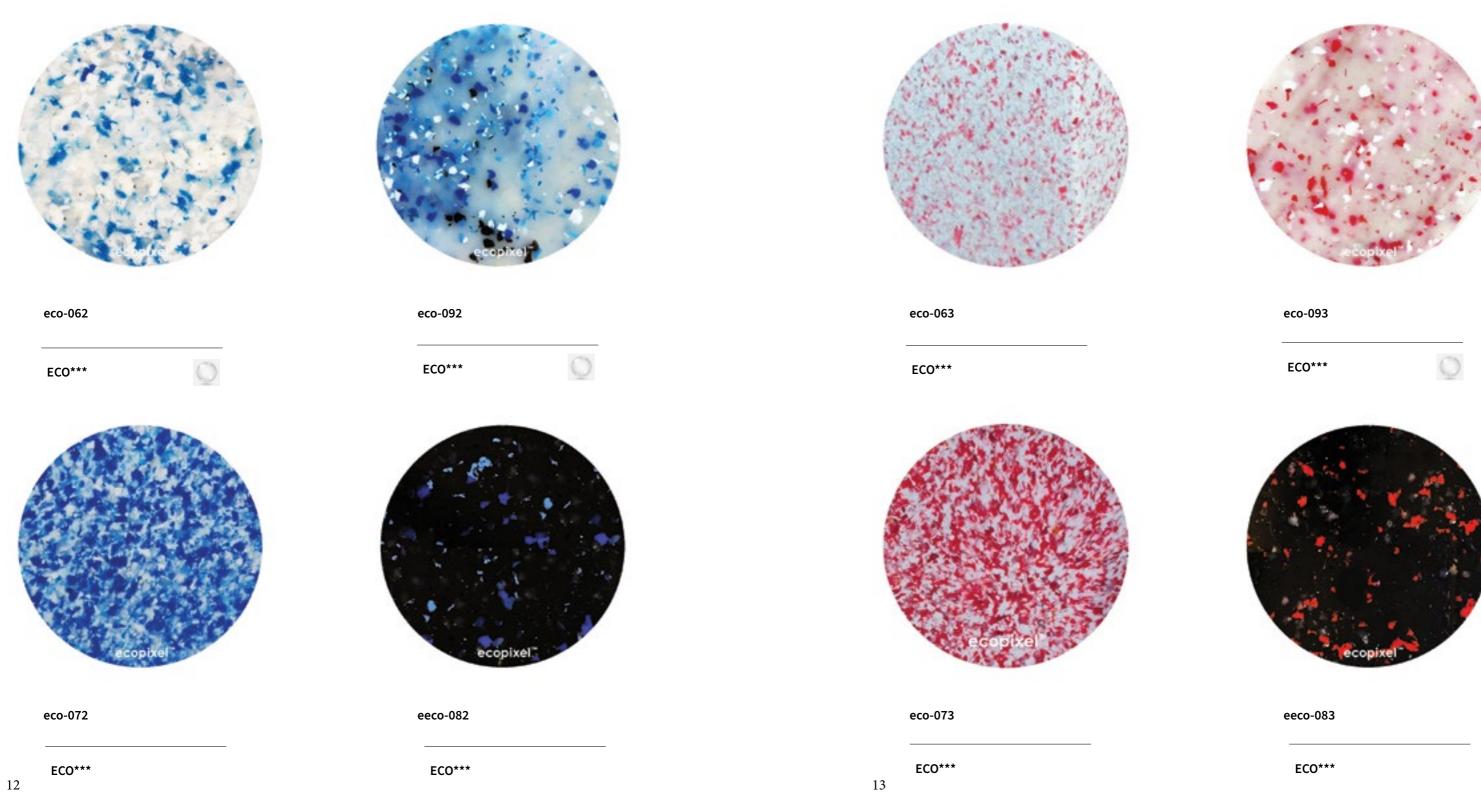
eco-000k BLACK REGENERATED

ECO***

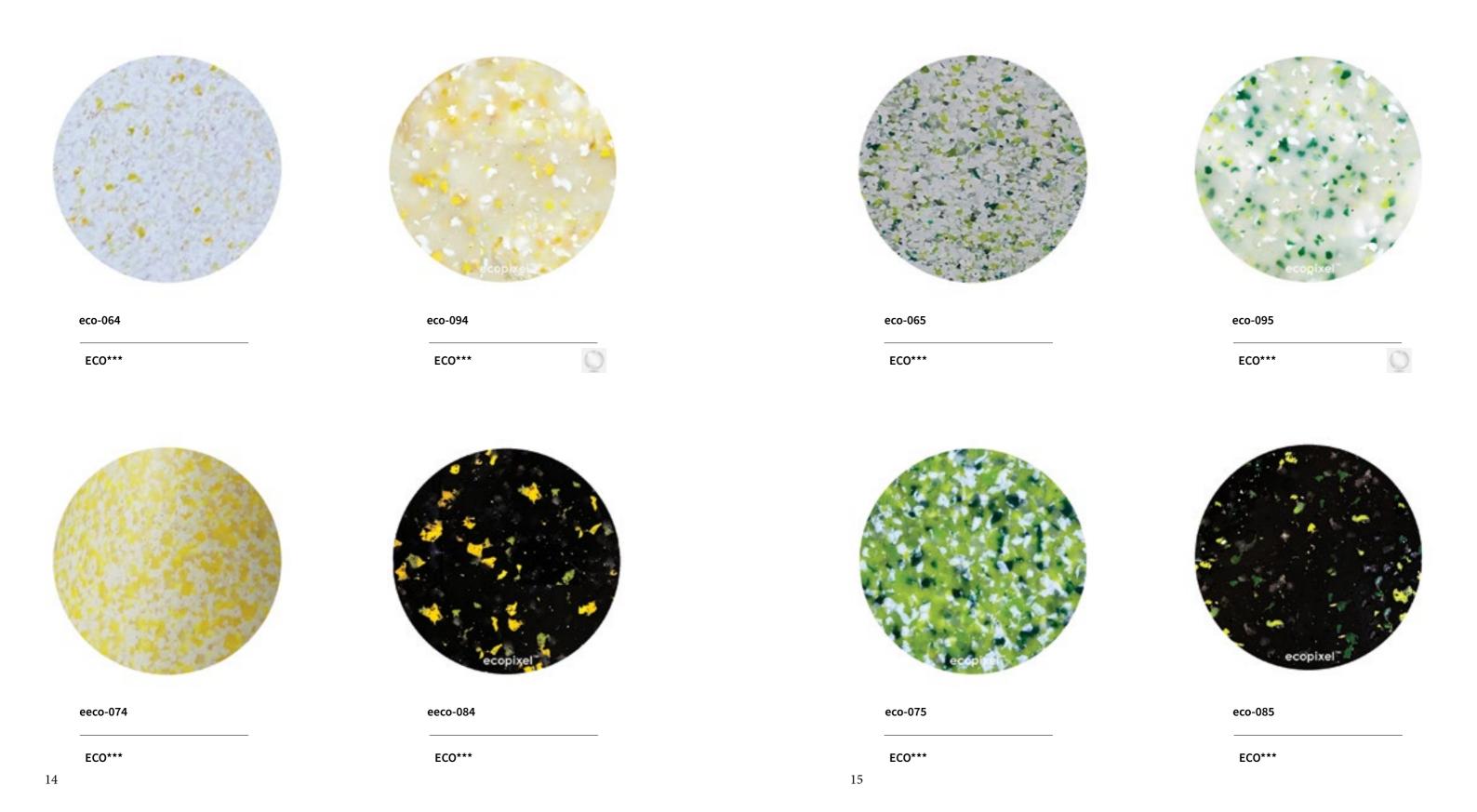
ecopixel standard palette ecopixel BLACK IS THE NEW BLACK



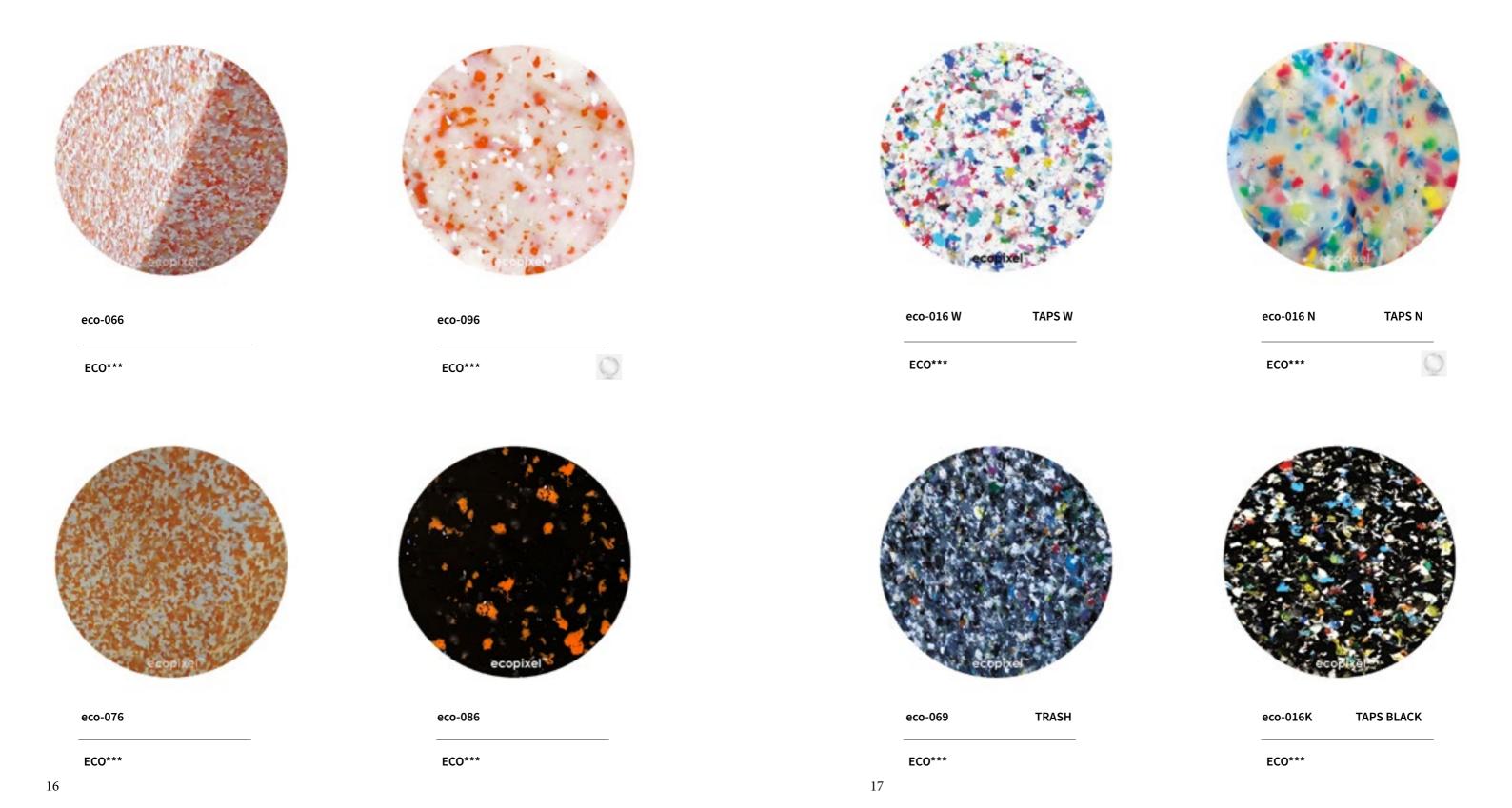
ecopixel standard palette ecopixel



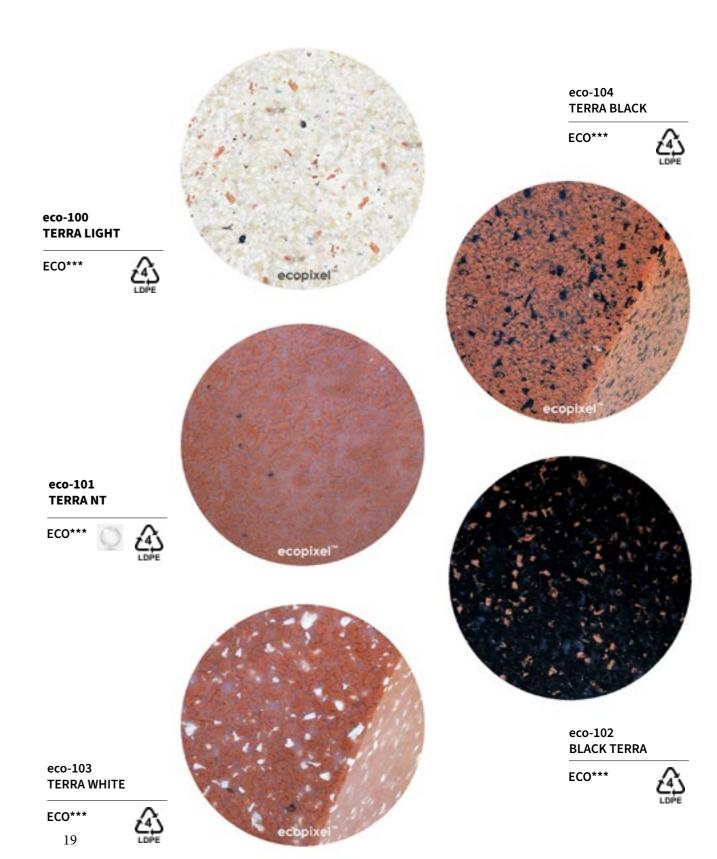
ecopixel standard palette ecopixel



ecopixel standard palette ecopixel MULTICOLOR



COOOS ecopixel TERRACOTTA PIGMENTED by ecopixel®

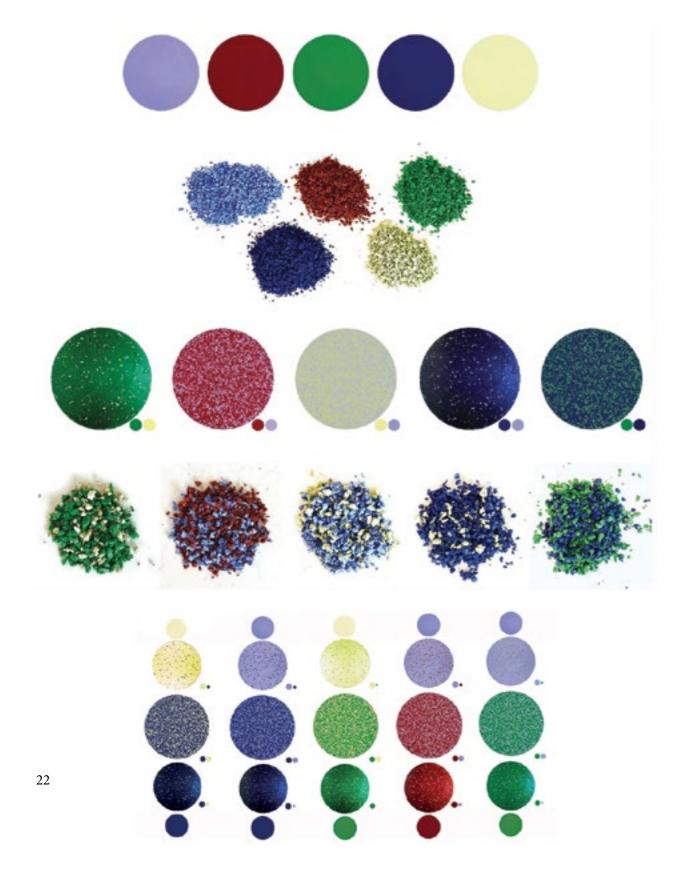


COLOIS ecopixel ENCANTO

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.











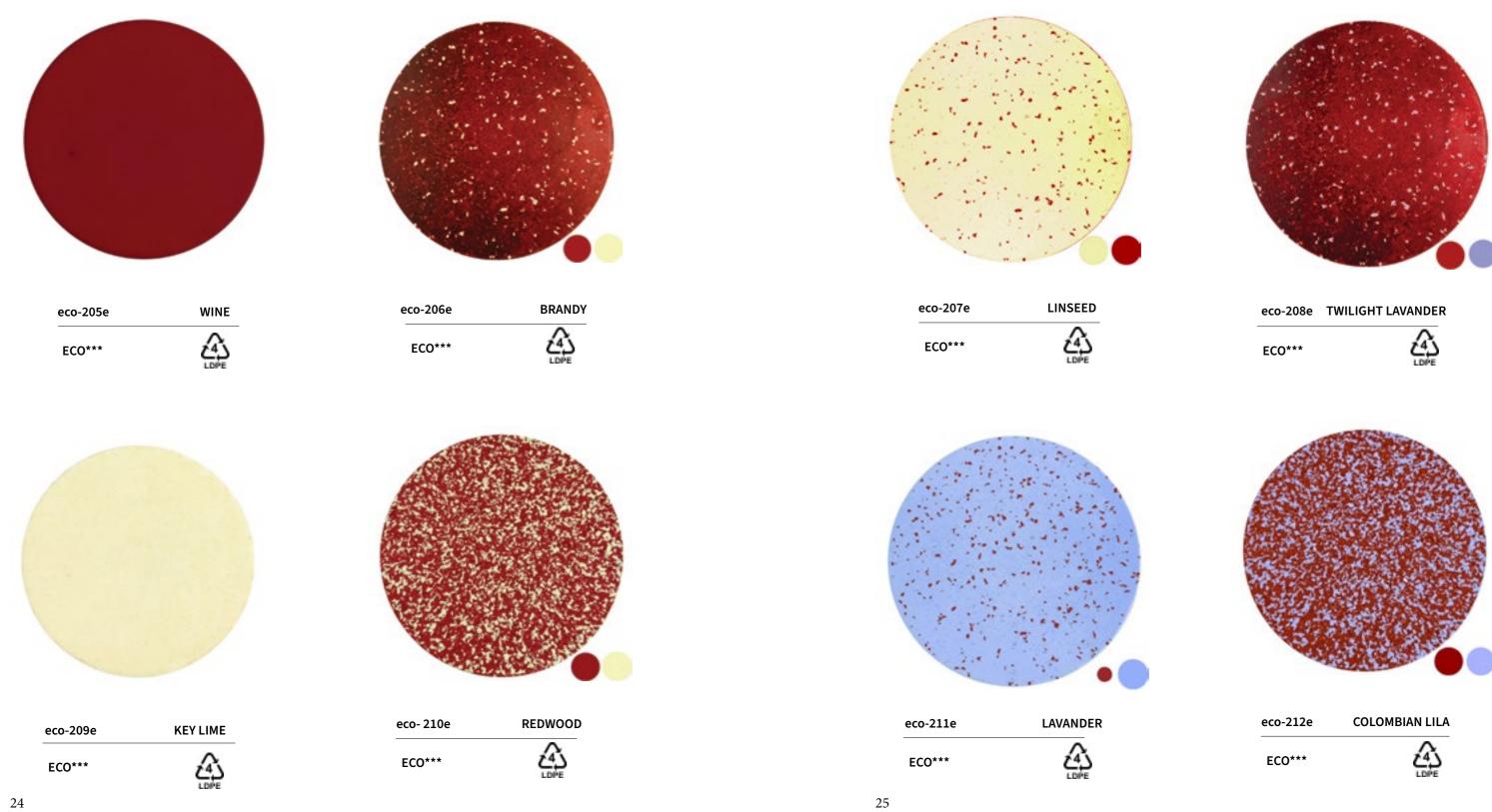




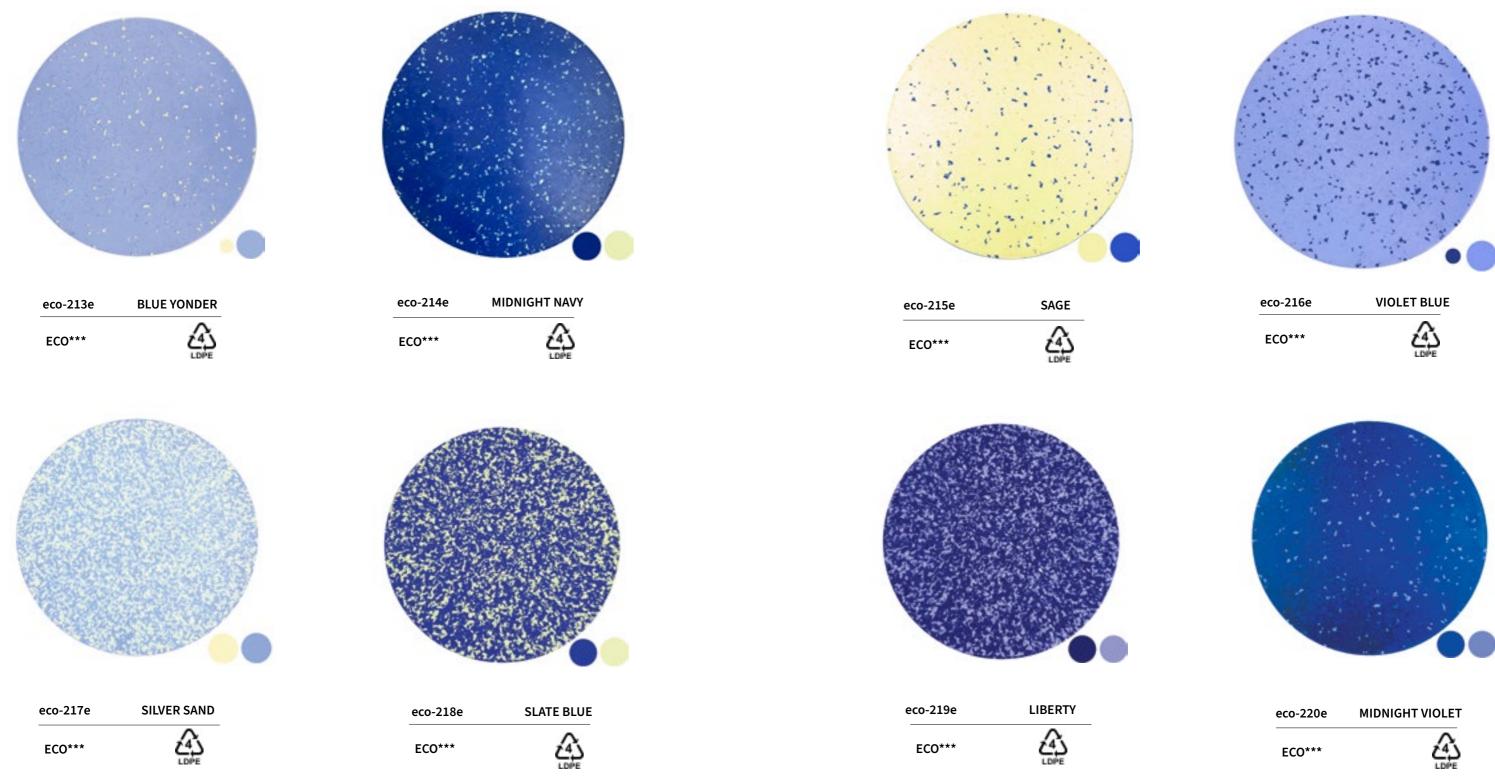




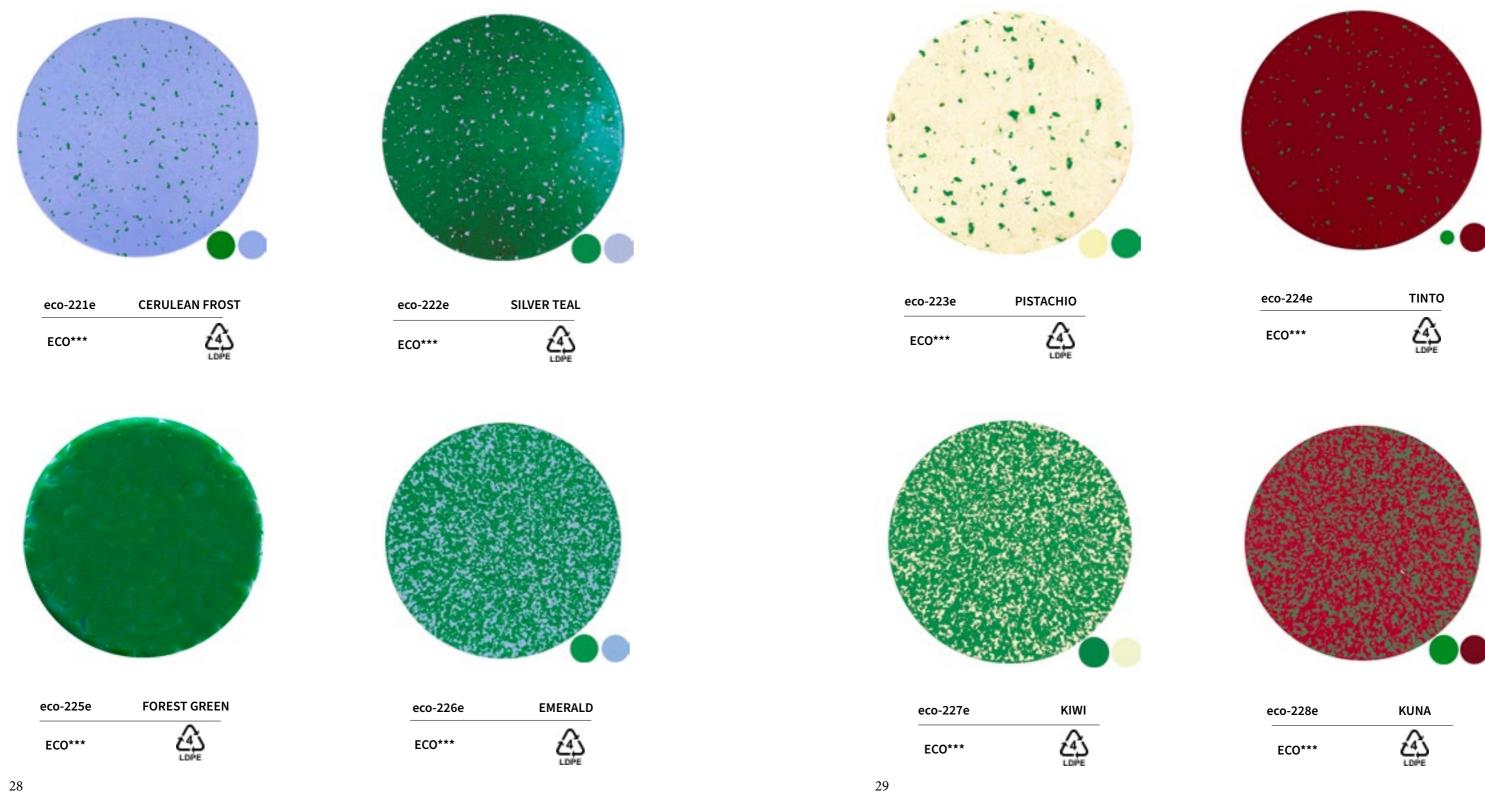
ecopixel ENCANTO ecopixel ENCANTO pallet



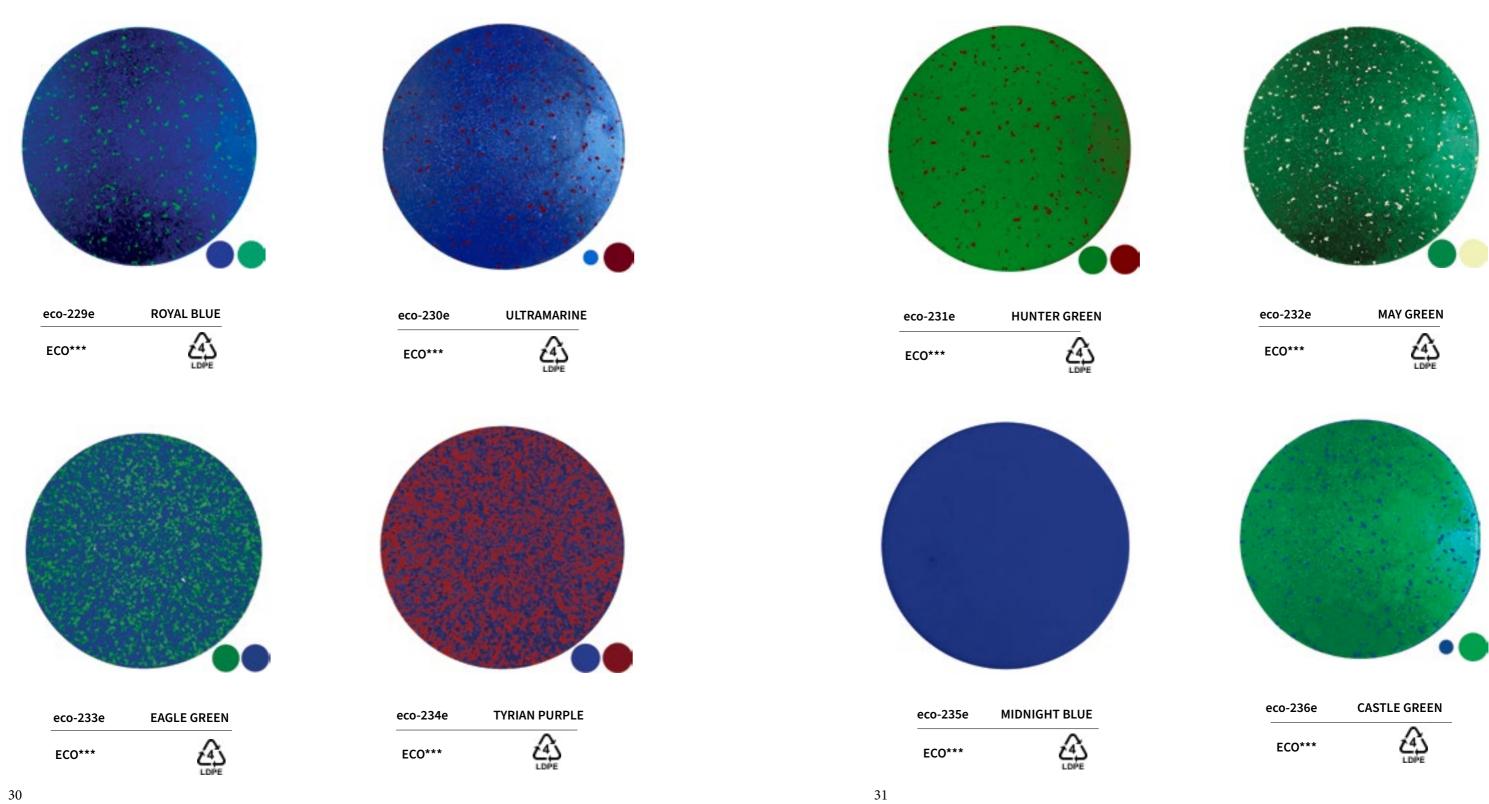
ecopixel ENCANTO pallet



ecopixel ENCANTO ecopixel ENCANTO pallet



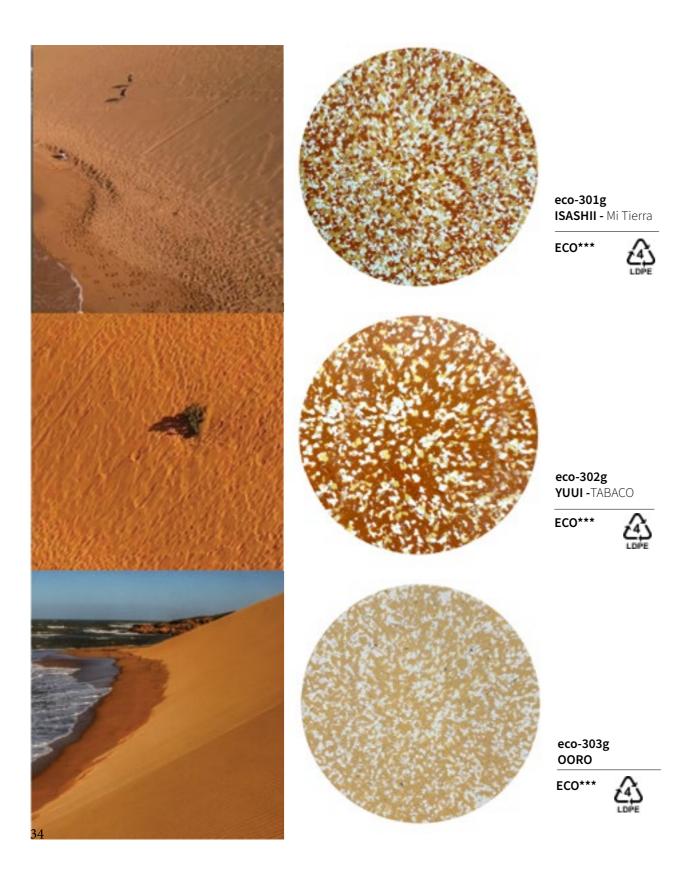
ecopixel ENCANTO ecopixel ENCANTO pallet



CO O I O I S 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.



ecopixel GUAJIORA ecopixel GUAJIRA pallet



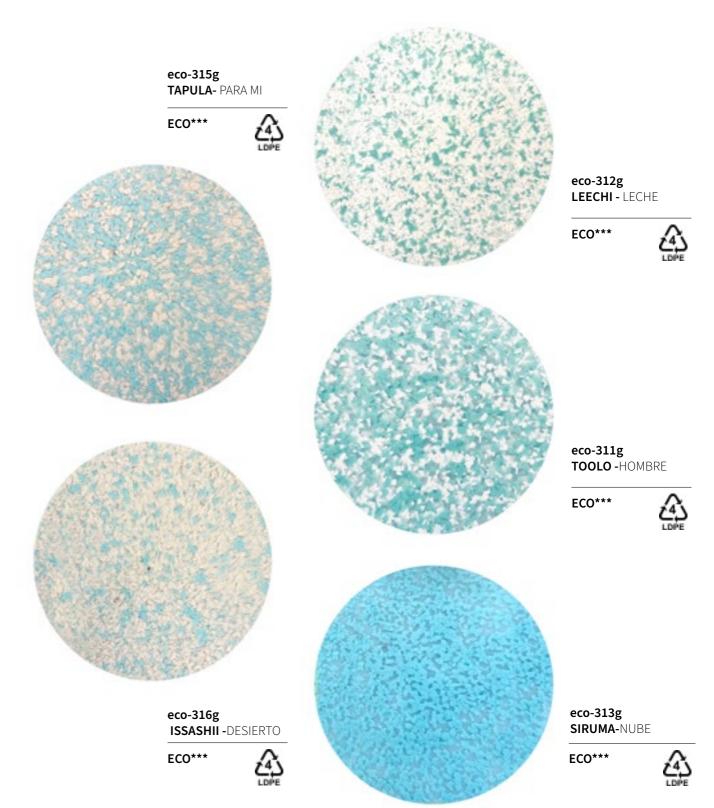
* The names of the colors have been inspired by the Wajuu language. The Wayuu are an Indigenous ethnic group of the Guajira Peninsula in northernmost Colombia.



ecopixel GUAJIRA ecopixel GUAJIORA pallet

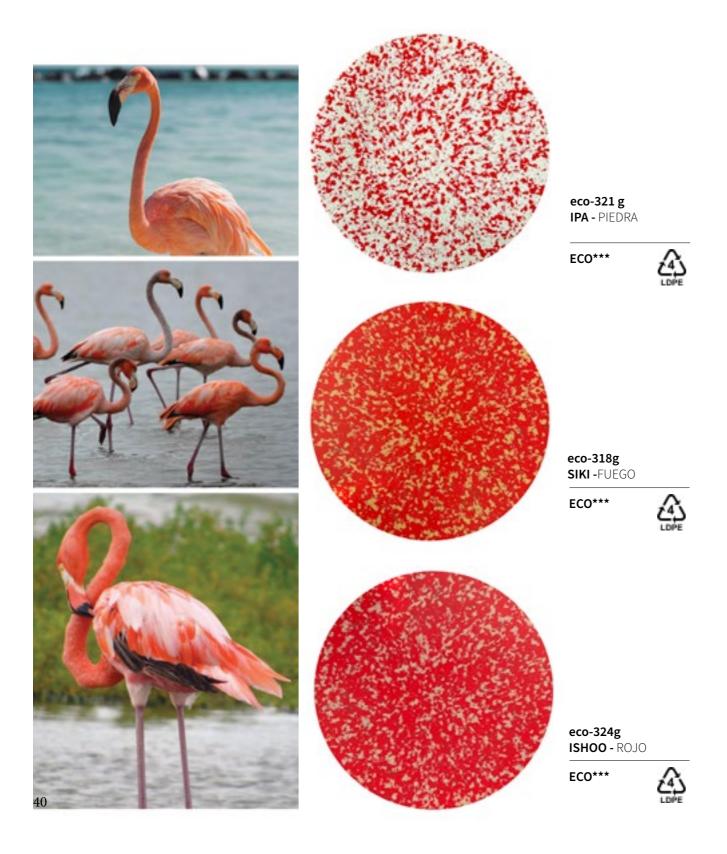


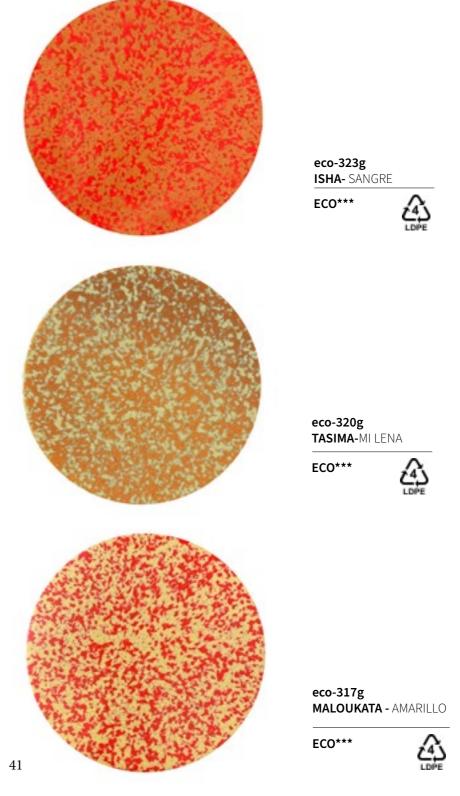
* The names of the colors have been inspired by the Wajuu language. The Wayuu are an Indigenous ethnic group of the Guajira Peninsula in northernmost Colombia.



ecopixel GUAJIORA pallet ecopixel GUAJIRA

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.

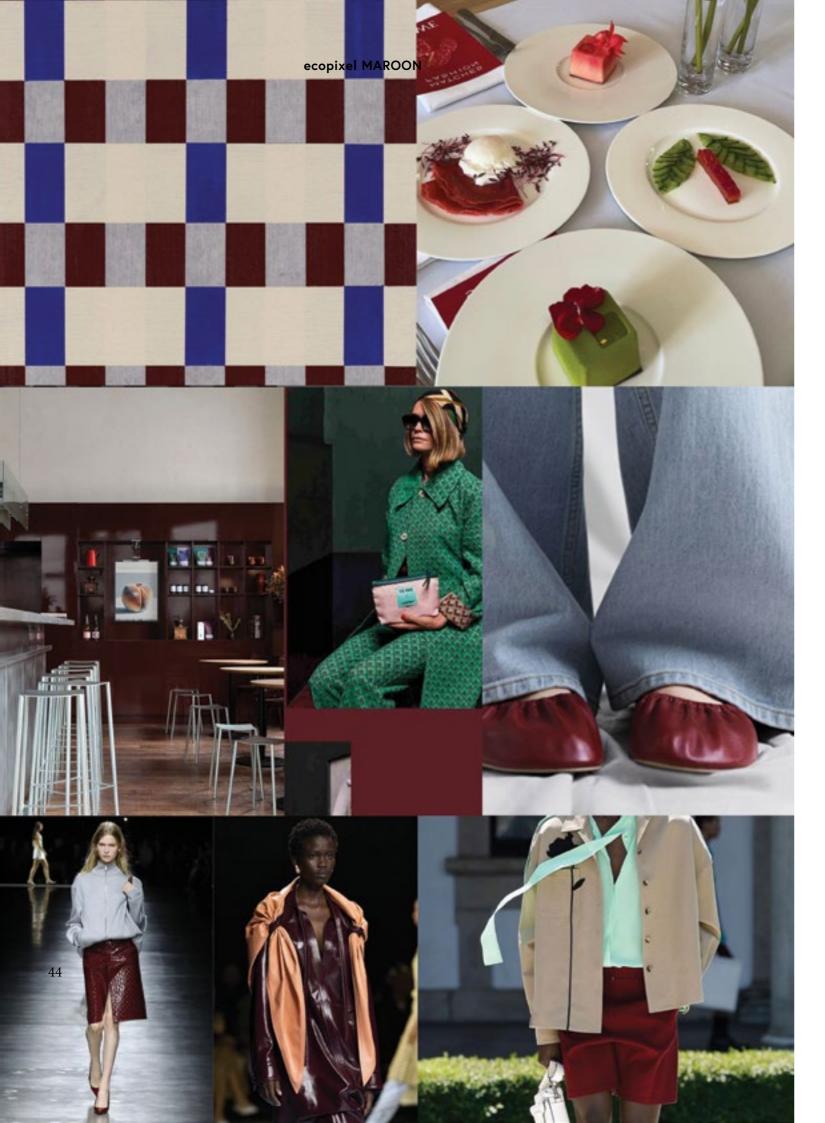




* The names of the colors have been inspired by the Wajuu language. The Wayuu are an Indigenous ethnic group of the Guajira Peninsula in northernmost Colombia.

COLOTS ecopixel MAROON

PIGMENTED by ecopixel®



ecopixel MAROON

MAROON is the first in a group of colors that become popular at the time, which are useful in areas where new products are constantly emerging. A color trend that indicates a direction; a developing awareness or emerging preference during a specific period.



eco-350M MAROON

ECO***

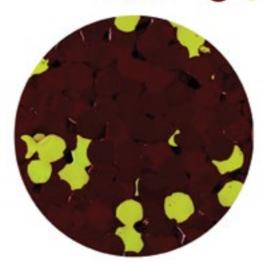




eco-351M MAROON - GREEN

ECO***



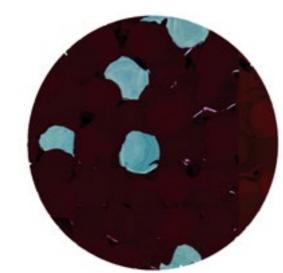


eco-351M POINT MAROON -GREEN

ECO***



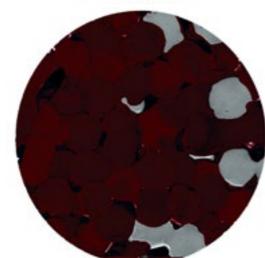
ecopixel MAROON POINT



eco-352M POINT MAROON -ACQUA

ECO***





eco-353M POINT MAROON -GREY

ECO***

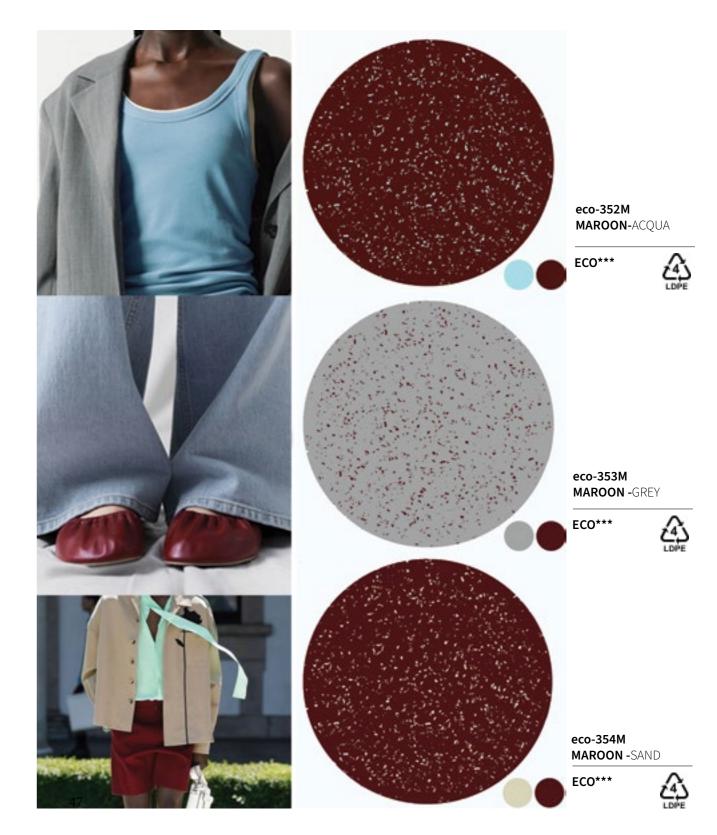




eco-354M POINT MAROON -SAND

ECO***





ecopixel SPECIALS ecopixel SPECIALS



ecopixel SOTTSASS MXP

Inspired by Malpensa Terminal 1, Milan

eco- 018 SOTTSASS-MXP

ECO***









ecopixel Ro



eco- 017 ROSSANA ORLANDI

ECO***







eco-052 BLUE DE GASCOGNE

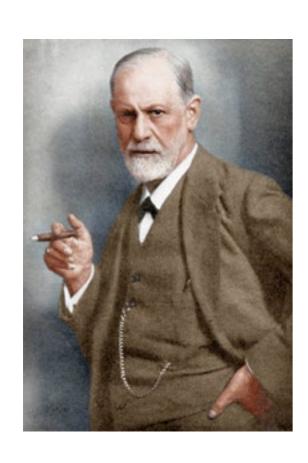
ECO***



COLOTS ecopixel FREUD

ecopixel FREUD ecopixel FREUD pallet

ecopixel FREUD color division



Sigmund Freud color division

People are categorized into six distinct groups based on their character divergence.

Sigmund Freud (1856-1939) noted that these character divergences are also linked to the taste and appreciation for visual preferences. This division reflects their unique color preferences, particularly when individuals are classified according to their libido control and differences in social pressure. Each character tends to favor specific colors. Freud's analysis of color has become **an** essential marketing tool and a key aspect or nis motivation theory, highlighting the unconscious needs of individuals and consumers, as well as how those needs can be fulfilled. Therefore, the use of a particular color for a product can significantly influence its commercial success. In this regard, ECOPIXEL introduces six groups, each containing three colors that correspond to these categories,



ecopixel FREUD ecopixel FREUD pallet

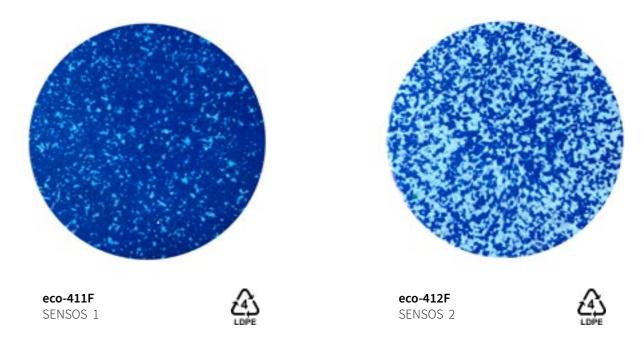
KATATONIA







SENSOS





eco-413F SENSOS 3



ecopixel FREUD ecopixel FREUD pallet

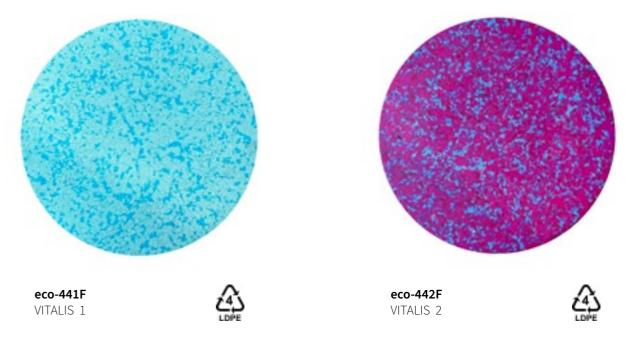
OCEANOS

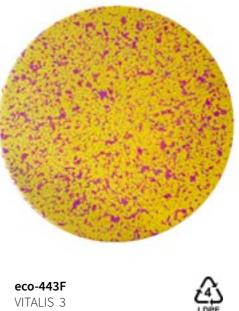






VITALIS





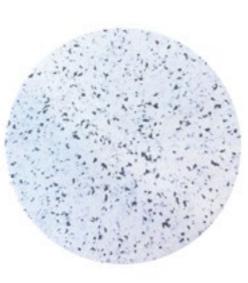
ecopixel FREUD ecopixel FREUD pallet

EXPANSOS

eco-401F EXPANSOS 1 A LDPE

eco-403F EXPANSOS 3

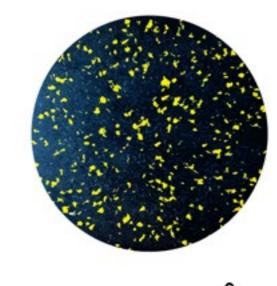






HYSTERIA





eco-431F HYSTERIA 1

A LDIPE

eco-432F HYSTERIA 2

LDPE



eco-433F HYSTERIA 3



textures Typologies



ecopixel STANDARD

6-8 millimeter irregular pixel.

Composition

PELD4/PERT/PEHD

Source

Post Industrial / Packing-Automotive-Construction & Post Consumer

Recycled content

80 to 100%

Our standard 6/8 mm size shredding will lead to the typical "terrazzo effect" and is available in all colors mentioned.























ecopixel MINI

3-4 millimeter irregular pixel.

Composition

PELD4/PERT/PEHD

Source

Post Industrial / Packing-Automotive-Construction & Post Consumer

Recycled content

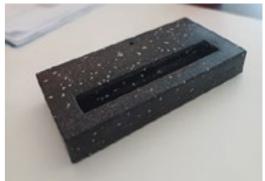
80 to 100%

Smaller size pixels are usually requested/applied in smaller objects or where smaller Radia are present. In the same way, we can also deliver a larger pixel. Larger pixels, however, may complicate superficial finish and or leave holes at sharp angles. Our sales team and instructions will be able to inform you at your request and advise where needed.



















ecopixel DOTS

Open pixel **Ø**18mm 98% recycled pLastics (plus 2% pigment)

Composition

PELD4

Source

Post Industrial / Packing

Recycled content

98%

2% Ink







1. Alessandro Mendini photo by max&douglas 2. ALEX Chaise longue design by A. Mendini

DOTS

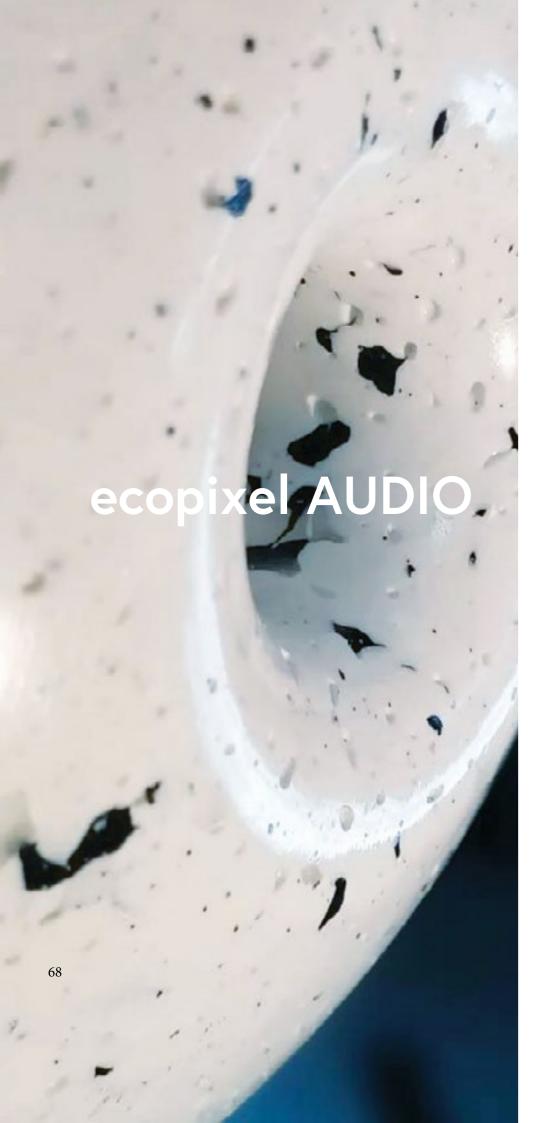
Diameter 18mm pixel shows a result as an almost impressionistic work of art. Especially advised for larger objects due to the large pixel size

The DOTS effect will show the open structure feature maintaining its structural capacity.

Color range designed by Alessandro Mendini, produced in 98% recycled plastics (where 2% represents the mere pigment).

The material is 100% recycled pigmented polyethylene PELD industrial waste from packing foil.

The diameter of 18 mm was studied according to specific indications of Alessandro Mendini © 2017, In its magnificent 7-color plus white color mix.



ecopixel AUDIO

Sound absorbing internal texture.

Superficial texture

Special effect © 2024

Composition

PELD4

Source

Post Industrial / Packing Automotive

Recycled content

100%

ECOPIXEL AUDIO —

By intentionally mixing waste materials, ECOPIXEL developed a specific layered recycled plastic that forms a sandwich-like material, transitioning from a rough inner layer to an almost high-density outer layer.

The excellent sound absorption properties of this material led to the creation of "ECOPIX-EL AUDIO," making it perfect for speaker enclosures, especially since ECOPIXEL can shape it into any form, even hollow designs.





EYE D256 BT – 5,5 inch coaxial, rear-facing bass reflex, active class D amplified Bluetooth speaker unit.



ALTO - Free standing., with down-facing bass reflex, active class D amplified Bluetooth speaker unit.



GHETTO BLASTER - Promotional project 2019 Bluetooth portable design offering 120 watts of RMS "portable power"



DRUM D260 BT – 6,5 inch coaxial, rear-facing bass reflex, active class D amplified Bluetooth speaker





ecopixel TRANSLUCID

Illuminates with high uniformity

Composition

PELD

Source

Post Industrial / Post consumer

Recycled content

80-100%

A range of colors are available for illumination, often requested in a "translucid" quality for their illumination effect. Please be sure you specifically indicate this quality if requested.







ECOPIXEL TRANSLUCID

Allowing light to pass through.

Only a specific selection of translucid waste material will lead to this magical effect. Studying combinations of translucid and non-translucid pixels can create an even more interesting game of light. ECOPIXEL can guide you with experience.



- 1907 FLOOR LAMP - ECOPIXEL-BLUEMOON 16cm diameter - ECOPIXEL LUNA Ceiling

Normann Copenhagen © 2022 Pix Lamp collection.









ecopixel WATERPROOF

Fitted so that no water enters or passes through

Composition

PELD4/PERT/PEHD

Source

Post Industrial / Packing-Automotive-Construction & Post Consumer

Recycled content

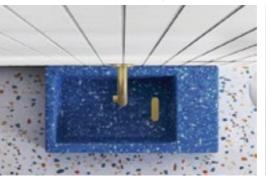
80 to 100%

We advise how to mix and produce watertight versions of our materials, obtaining qualities that match with bathroom products or outdoor applications among others.





LTT LIGHT TUB / Free standing bathtub by WET ITALIA





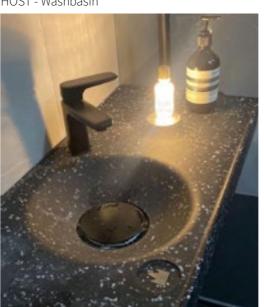
ECORAZZO by CLOU NL



LTB LIGHT BASIN/ by WET ITALIA



HOST - Washbasin



MR BIG - Free standing washbasin





ecopixel ALABASTER

Neutral "Alabaster" uniform colored / eco-000

Composition

PELD4

Source

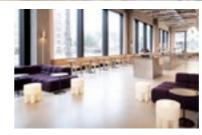
Post Industrial / Packing

Recycled content

100%

The ancient world of Alabaster has been the inspiration of this new typology of colors – In its plain "eco-000" version as an almost look through milk white, but soon available with a range of interesting color hints.

















ecopixel RINGS

Open ring structured

Composition

PERT

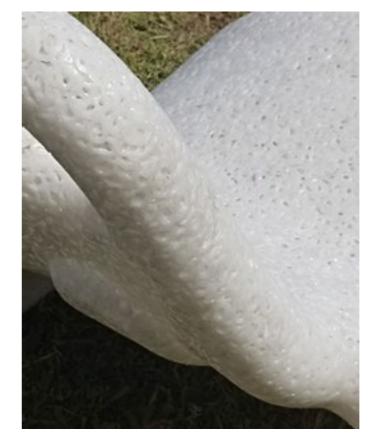
Source

Post Industrial / Construction

Recycled content

100%

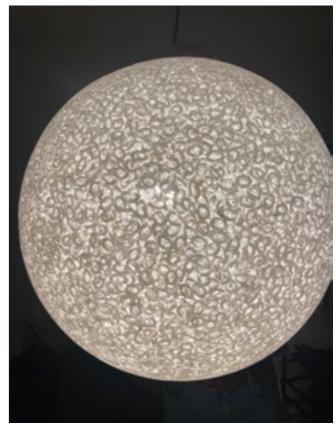
Special cutting of specific "heat pipe waste" led to small rings instead of the usual shredded waste. Ideally used in Illumination projects of a certain size, we advise this texture as it creates a lightweight "open" structure, perfect for illumination, but also creates comfortable flexibility in certain sitting objects. Usually available in NEUTRAL or GREY, but on request, it is also available in RED/YELLOW/BLUE & WHITE or any combination of these.





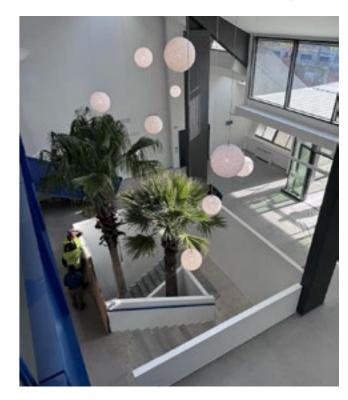






NOMAD is a lounge chair in its version RINGS for an outdoor experience.

Politecnico di Milano -Area Tecnico Edilizia Building ENLAB.





ecopixel MAXIPIXEL

50mm pixel irregular

Composition PELD

Source

Post Industrial / Packing

Recycled content

Our "maximum" pixel size measures 4 to 6 cm. Available only on specific request in any available pigmented color. Due to it's size it often created an open structured skin, unless used in sheet material.











ecopixel OPEN SKIN

Open pixel structured

Composition

PERT

Source

Post Industrial / Construction

Recycled content

100%

As usual, any product finish is requested to be fully melted and therefore closed as a surface. ECOP-IXEL is also available as an "open" structured surface. This feature is not an effect of temperature during production. Instead, it is linked to a certain type of material that, when melted, will automatically create this special effect. Ideally, for illumination, where light magically shines through. Open pixels are also used in outdoor objects, where rainwater will filter through instead of staining on top. Open pixels are available in a limited choice of colors: BLACK/ WHITE/NEUTRAL/GREY/RED/YEL-LOW/BLUE, or any combination of











NOMAD is a lounge chair made from ecopixel PERT waste mélange.

100% circular post-industrial surprisingly comfortable recycled plastic.







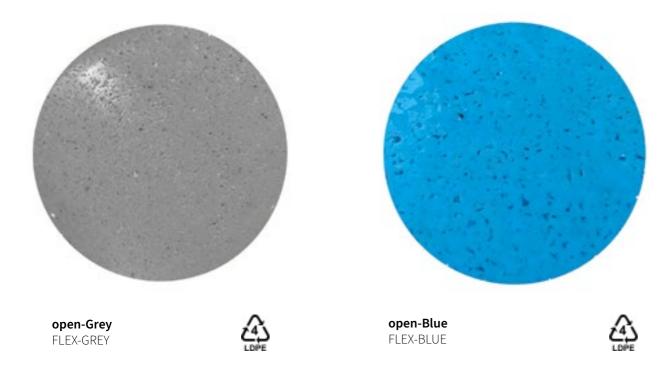


OPEN SKIN

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.







FLEX- RED

FLEX-YELLOW

83



Textures by ecopixel® made from plastic waste materials

100% made in Italy production ©2025

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