

2024
2025

ecopixel.eu

ecopixel Materials

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ecopixel materials

RECYCLED MIX for ROTOMOLDING

ECOPIXEL is an Italian manufacturing company that recycles thermo-plastic 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 plastics together into wonderful and amazing colored patterns throughout its entire material thickness. ECOPIXEL melts into strong and structural materials, giving birth to an entirely new future in plastic recycling. Developing this new production possibility, ECOPIXEL has opened a new market where recycled aspects meet refreshing new color aspects, releasing incredible possibilities for designers that can now work with pigmented waste into any color of choice.

Since 2006, with firsthand ROTOMOLDING experience, ECOPIXEL is a pioneer in recycling plastics. Although ROTOMOLDING shredded flakes instead of standard micron-

ized powder seems incredibly simple it occurs difficult and complex at the same time. ECOPIXEL will guide you to the magic balance between the exact mixture* of materials and the precise mold temperatures needed to achieve almost any product of choice. ECOPIXEL supplies mixtures for the most diverse product fields (outdoor, indoor, waterproof, mini, open, translucent etc. etc.) in hundreds of color combinations. With ECOPIXEL you enter a world of possibilities, too vast to mention. Our designers work non-stop on new trending color pigments and combinations as well as texture effects. ECOPIXEL often works on customized solutions in order to serve your needs as good as possible.

Although from the very first moment obtaining these highly innovative "visual" results, it has more often been our technical interest that pushed us ahead. From the beginning, it was clear that the secret is the exact material choice or a specific material mix. Using LDPE or LLDPE, but sometimes also HDPE, MDPE, or even RTPE, it is clear that not all typologies mix the same way. Different materials, even different shredding methods, lead to com-

pletely different pixel effects and guide us to very precise percentages to obtain these precise color effects. Studying ECOPIXEL made us realize that textures do not just develop through color percentage but are obtained thanks to specific material mixtures and sometimes even production cycles. As we strictly use either PE, a circular (recyclable) material is obtained.

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.

circularity

color 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.

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



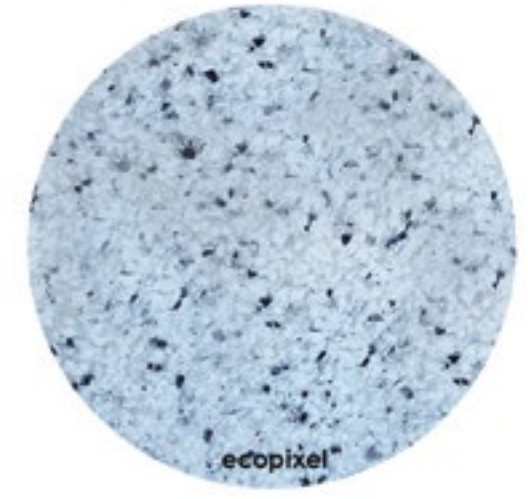
eco-001 PURE WHITE

ECO***



eco-010

ECO***



eco-012

ECO***



eco-000 ALABASTER

ECO***



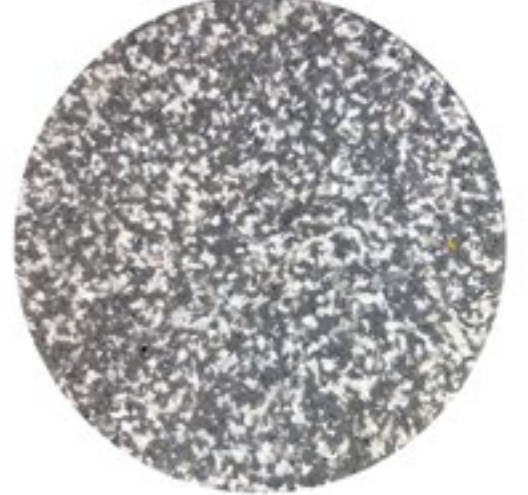
eco-000k BLACK REGENERATED

ECO***



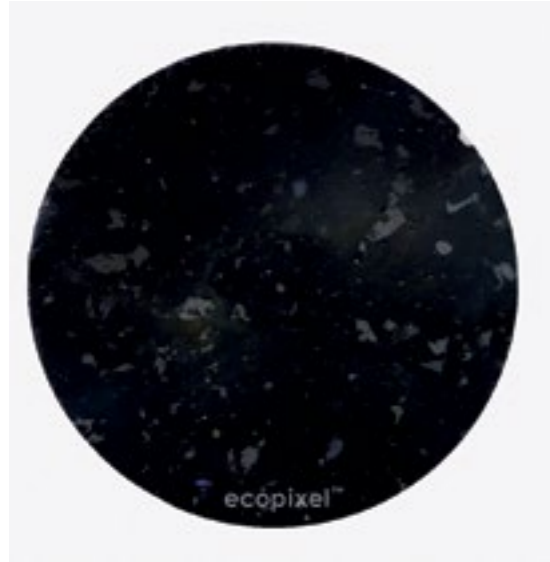
eco-013

ECO***



eco -050 GREY

ECO***



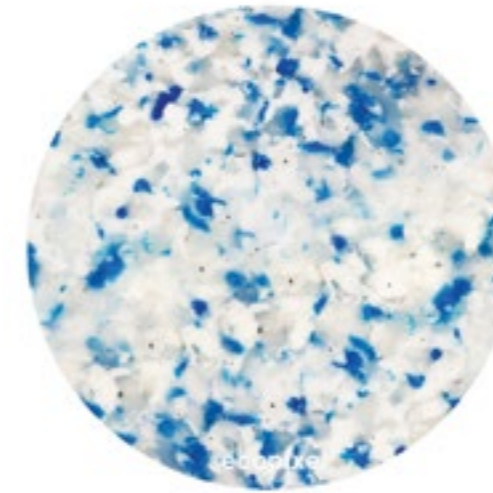
eco-051 BATMAN
BLACK IS THE NEW BLACK

ECO***



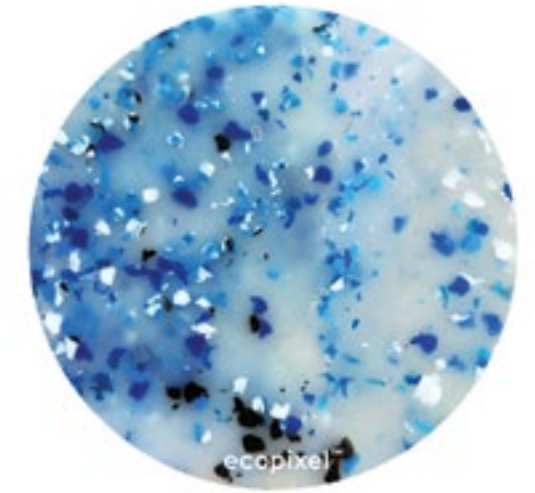
eeco-052 Blue de Gascogne
BLACK IS THE NEW BLACK

ECO***



eco-062

ECO***



eco-092

ECO***



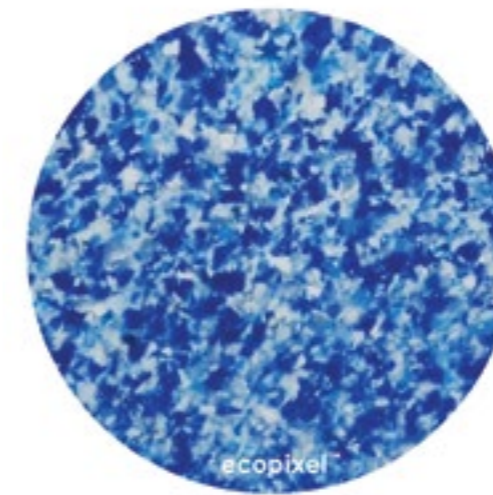
eco-017 RO
BLACK IS THE NEW BLACK

ECO***



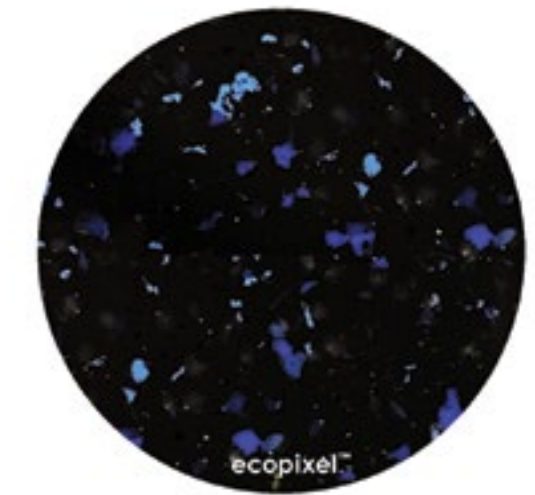
eco-031 GALAXY
BLACK IS THE NEW BLACK

ECO***



eco-072

ECO***



eeco-082

ECO***



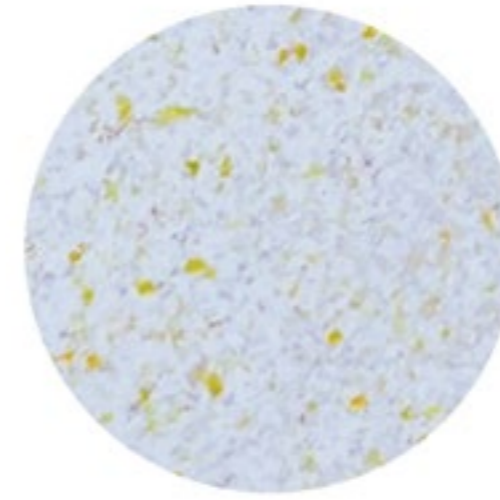
eco-063

ECO***



eco-093

ECO***



eco-064

ECO***



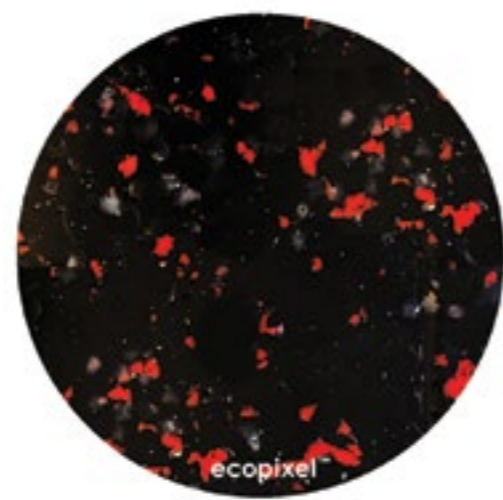
eco-094

ECO***



eco-073

ECO***



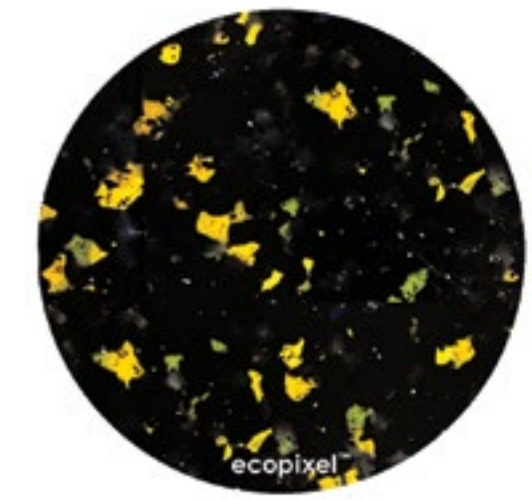
eeco-083

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***



eco-016 W TAPS W

ECO***



eco-016 N TAPS N

ECO***



eco-069 TRASH

ECO***



eco-016K TAPS BLACK

ECO***

colors

ecopixel TERRACOTTA

PIGMENTED by ecopixel®



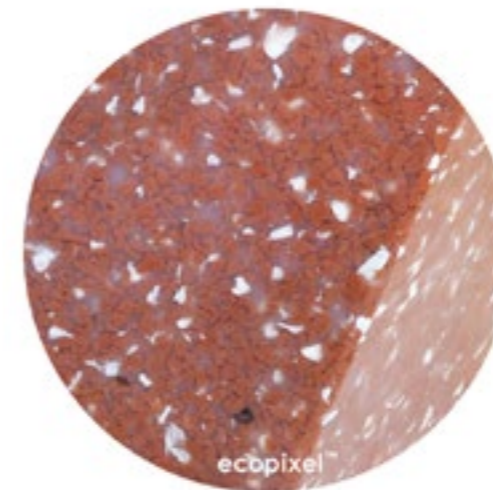
eco-100 TERRA LIGHT

ECO***



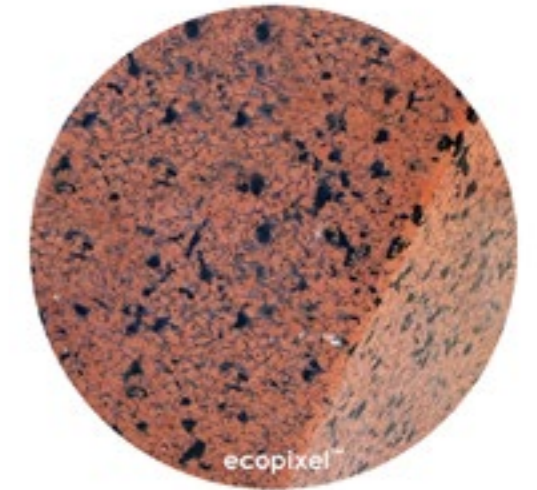
eco-101 TERRA NT

ECO***



eco-103 TERRA WHITE

ECO***



eco-104 TERRA BLACK

ECO***

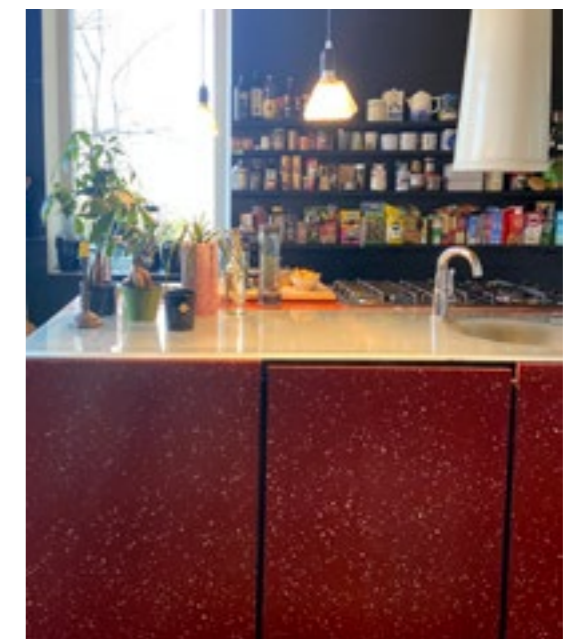
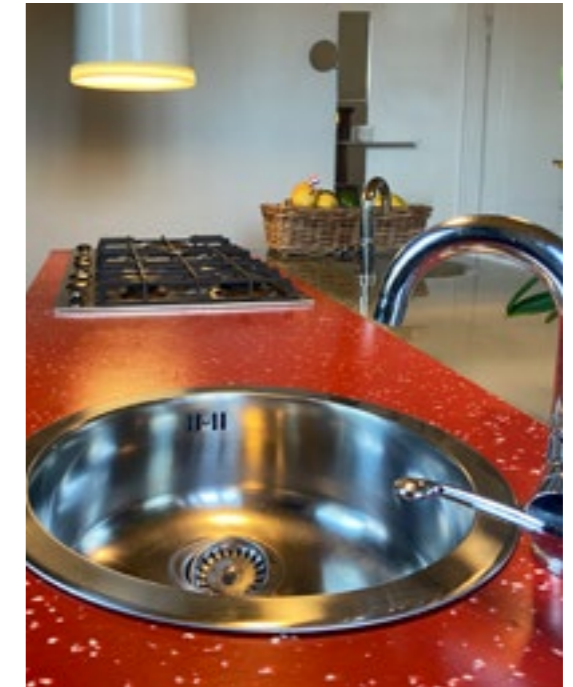
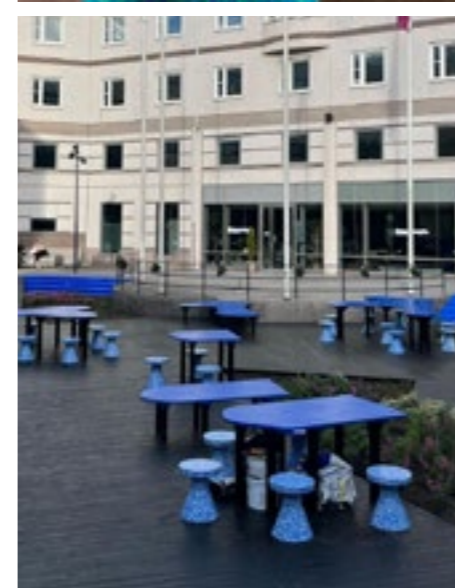
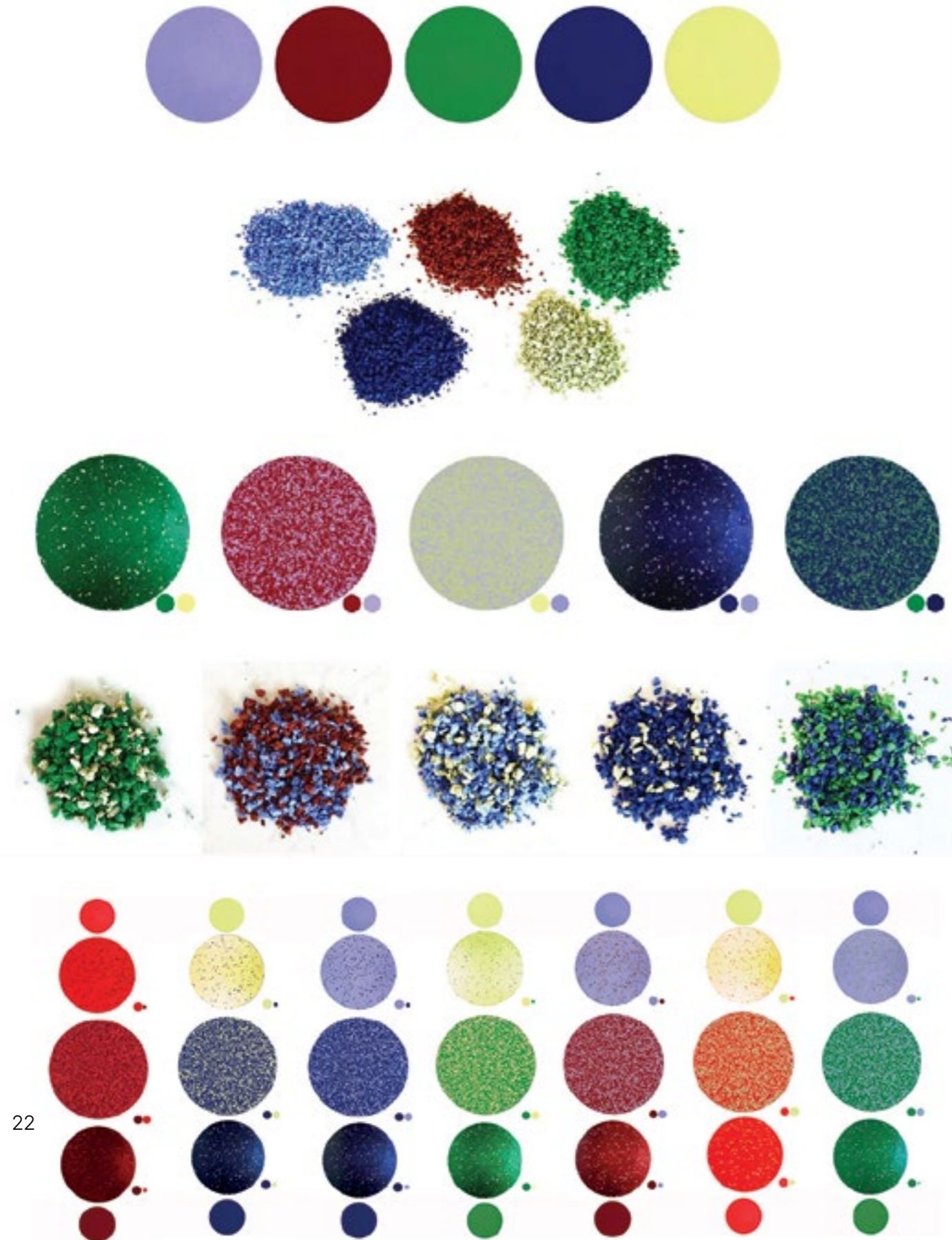
colors

ecopixel ENCANTO

PIGMENTED by **ecopixel**[®]

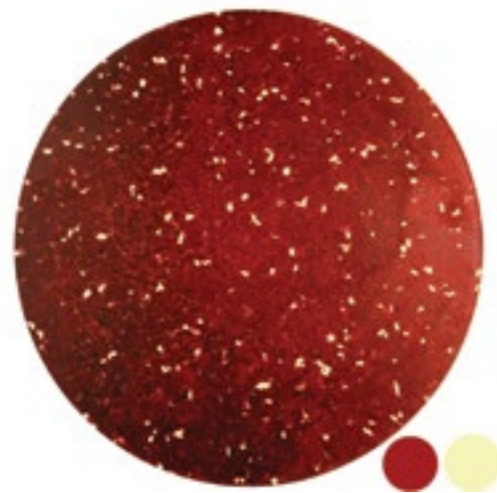
ecopixel ENCANTO

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.

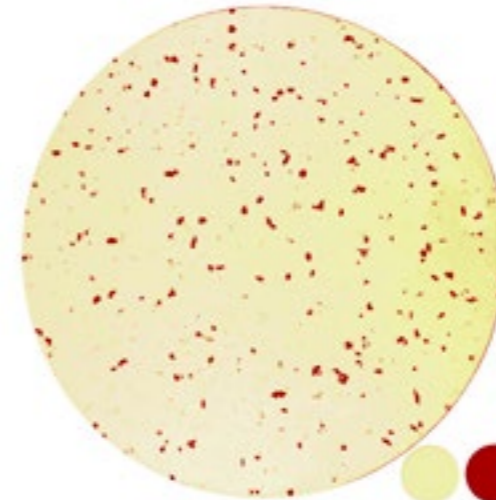




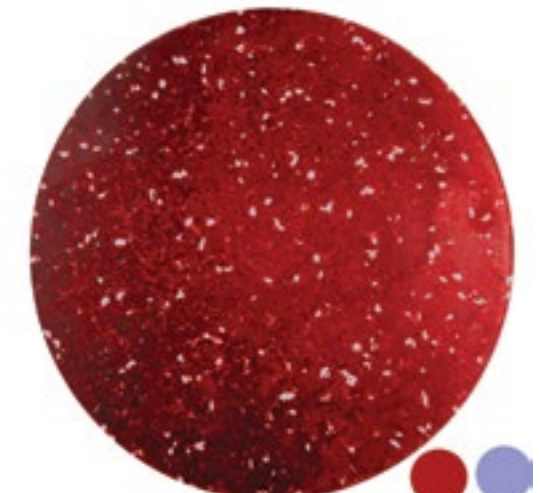
eco-205e WINE
ECO***



eco-206e BRANDY
ECO***



eco-207e LINSEED
ECO***



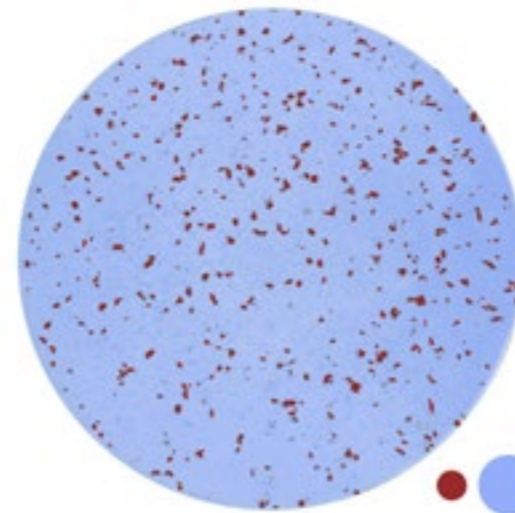
eco-208e TWILIGHT LAVANDER
ECO***



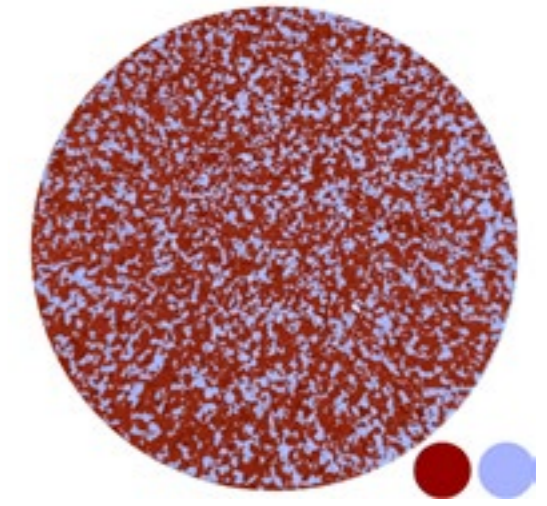
eco-209e KEY LIME
ECO***



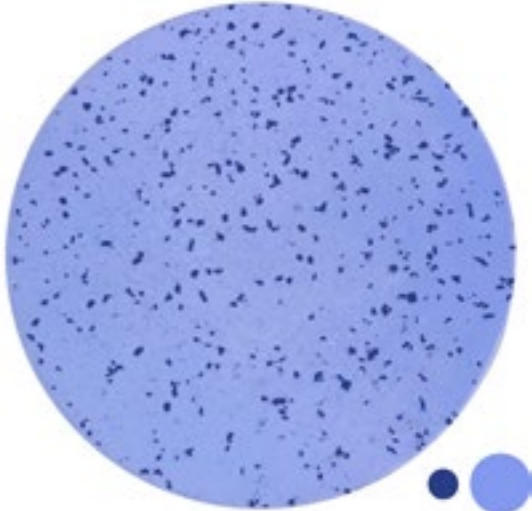
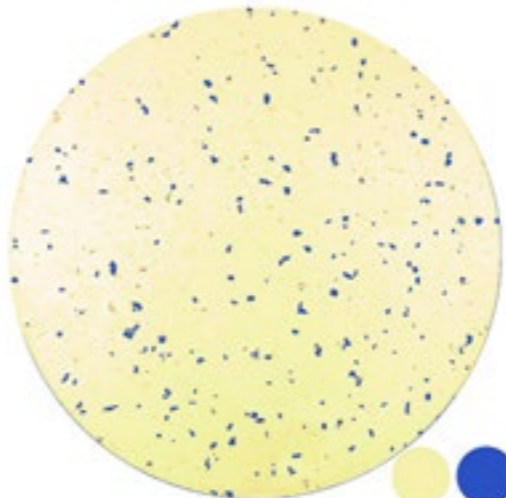
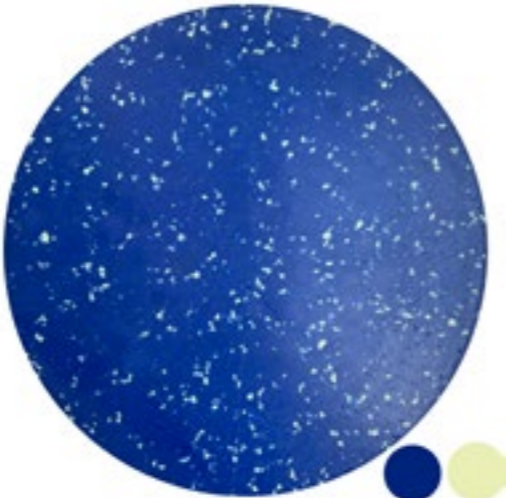
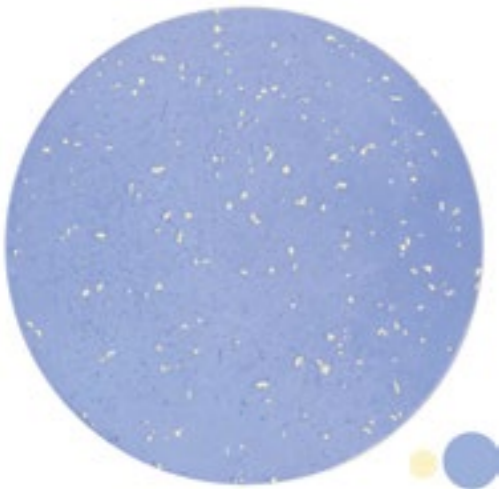
eco-210e REDWOOD
ECO***



eco-211e LAVANDER
ECO***



eco-212e COLOMBIAN LILA
ECO***

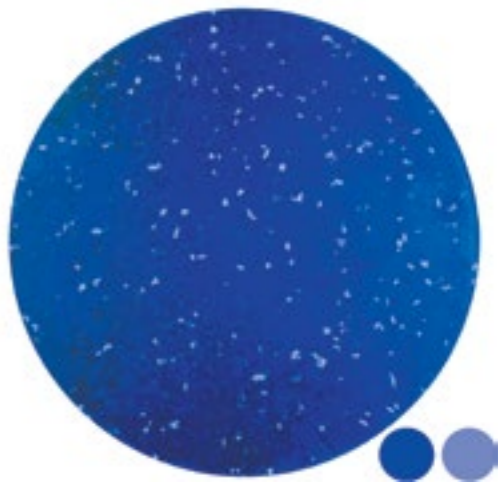
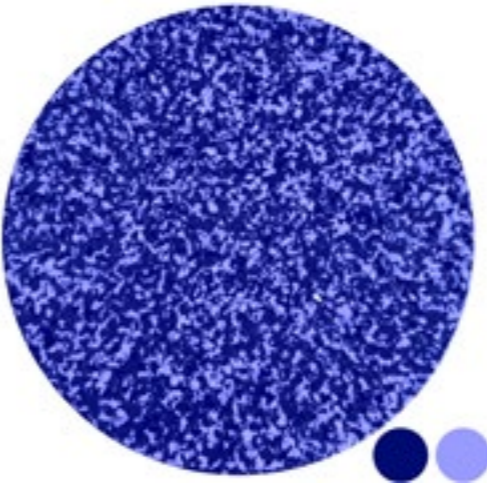
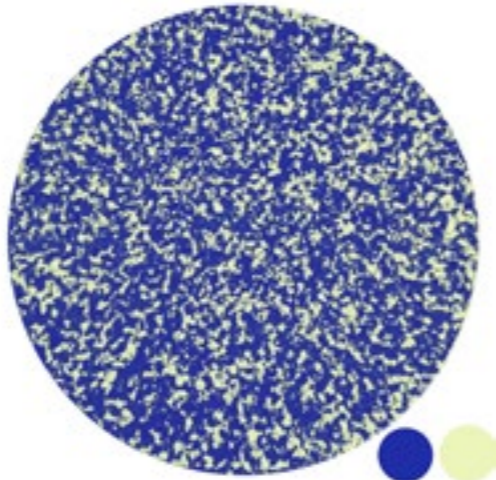
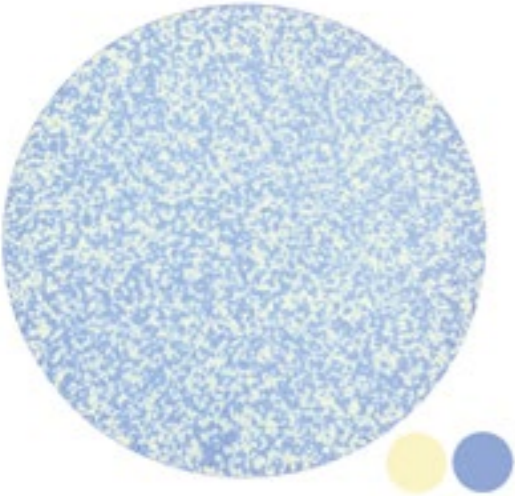


eco-213e BLUE YONDER
ECO***

eco-214e MIDNIGHT NAVY
ECO***

eco-215e SAGE
ECO***

eco-216e VIOLET BLUE
ECO***

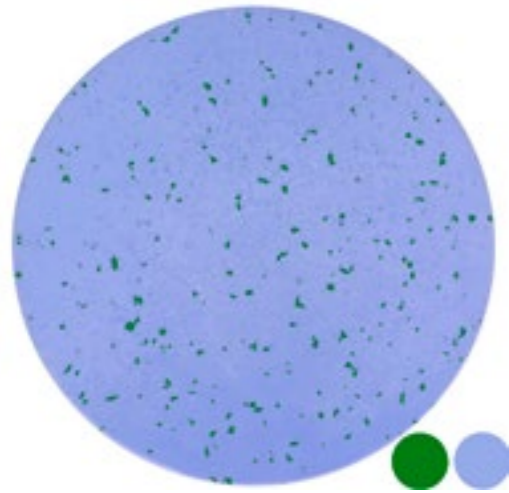


eco-217e SILVER SAND
ECO***

eco-218e SLATE BLUE
ECO***

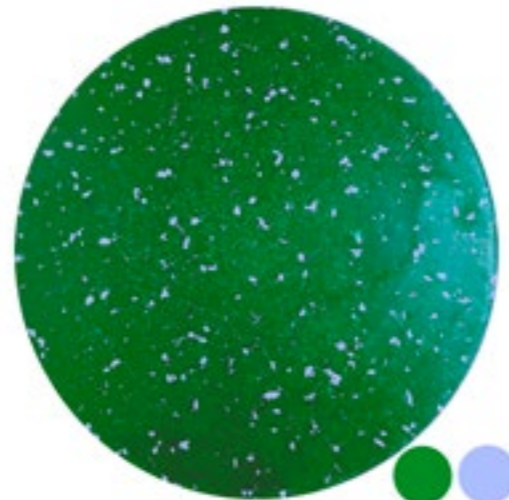
eco-219e LIBERTY
ECO***

eco-220e MIDNIGHT VIOLET
ECO***



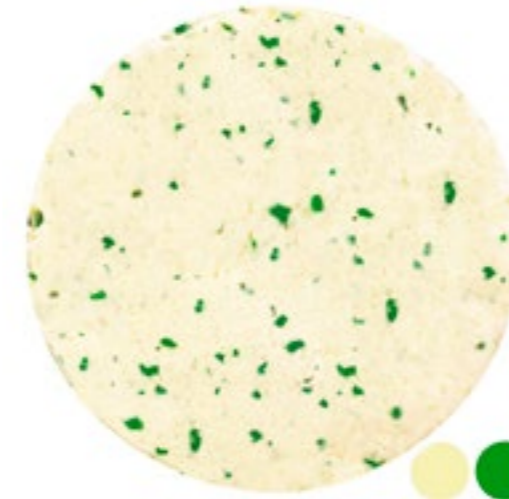
eco-221e CERULEAN FROST

ECO***



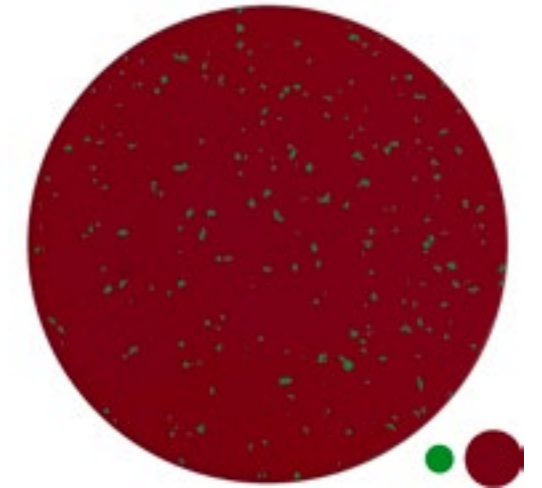
eco-222e SILVER TEAL

ECO***



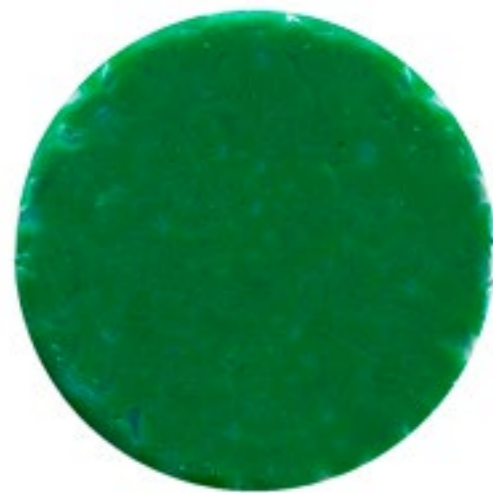
eco-223e PISTACHIO

ECO***



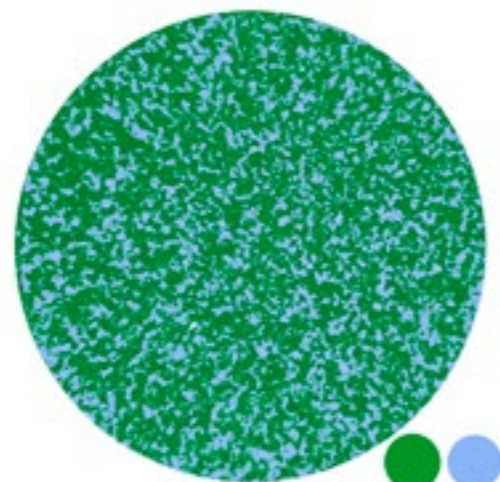
eco-224e TINTO

ECO***



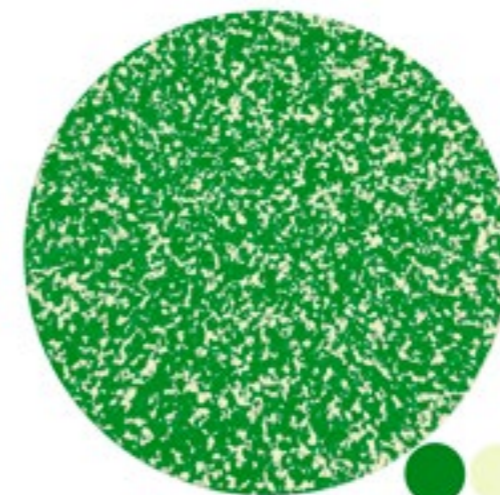
eco-225e FOREST GREEN

ECO***



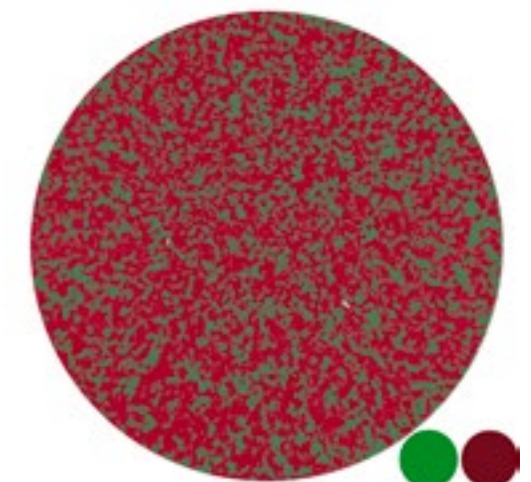
eco-226e EMERALD

ECO***



eco-227e KIWI

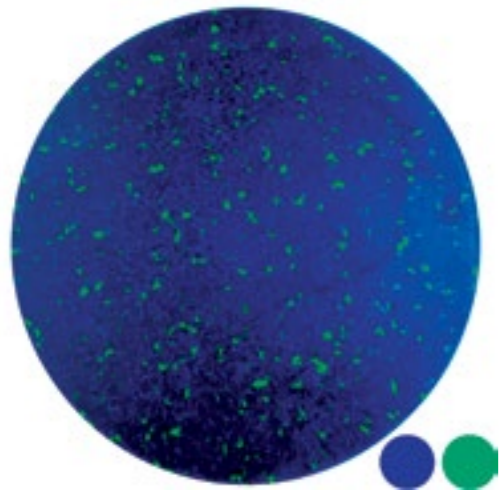
ECO***



eco-228e KUNA

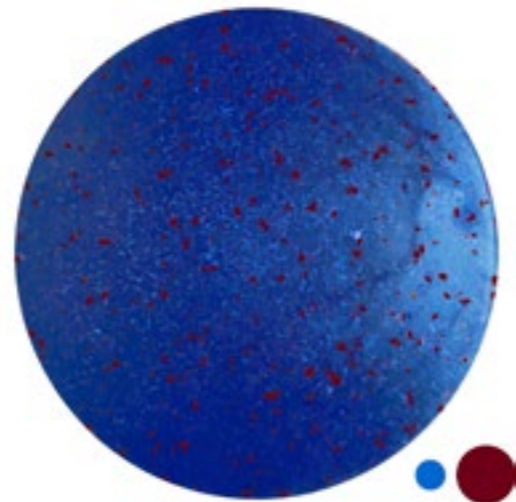
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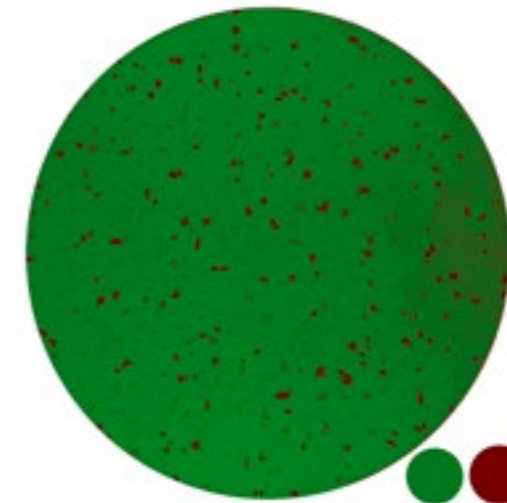
eco-229e ROYAL BLUE

ECO***



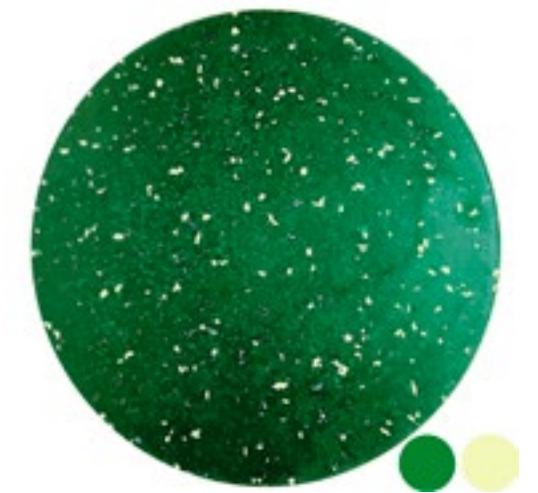
eco-230e ULTRAMARINE

ECO***



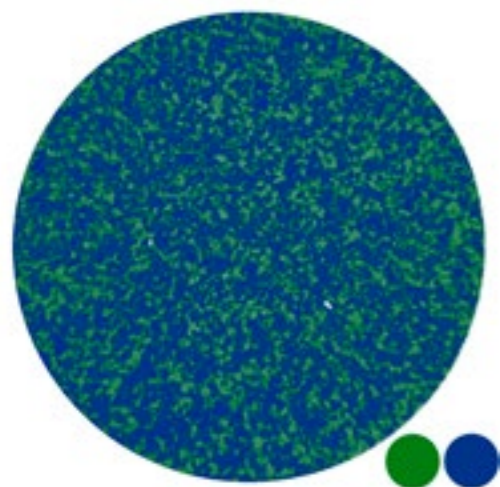
eco-231e HUNTER GREEN

ECO***



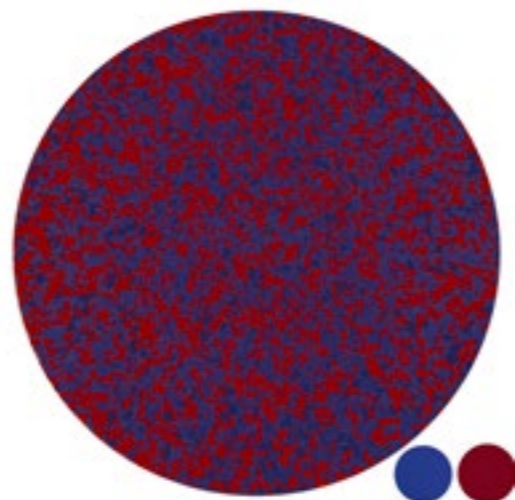
eco-232e MAY GREEN

ECO***



eco-233e EAGLE GREEN

ECO***



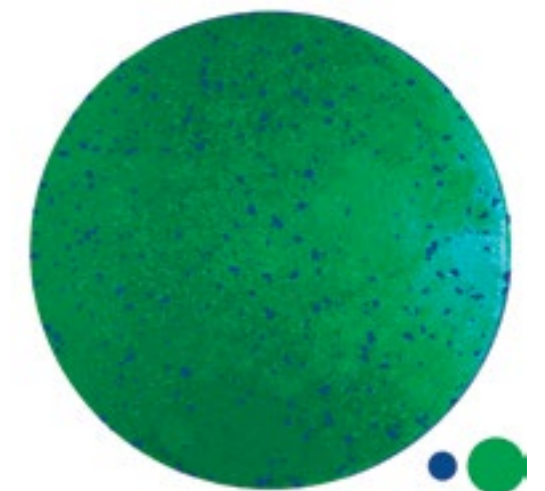
eco-234e TYRIAN PURPLE

ECO***



eco-235e MIDNIGHT BLUE

ECO***



eco-236e CASTLE GREEN

ECO***



c o l o r 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.



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

eco-302g YUUI - TABACO
ECO***

eco-303g OORO
ECO***



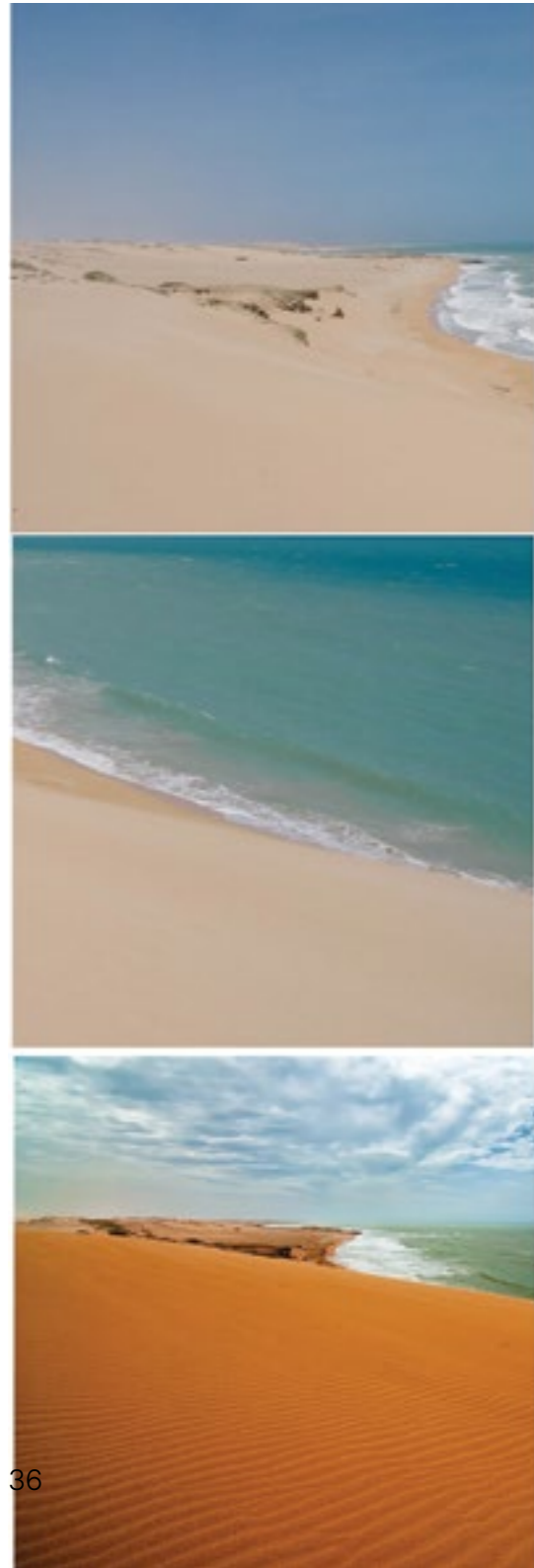
eco-304g MAIKKI - MAIZ
ECO***

eco-305g ICHII - SAL
ECO***

eco-306g ASEYUU-ESPIRITU
ECO***

* The names of the colors have been inspired by the Wayuu 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***

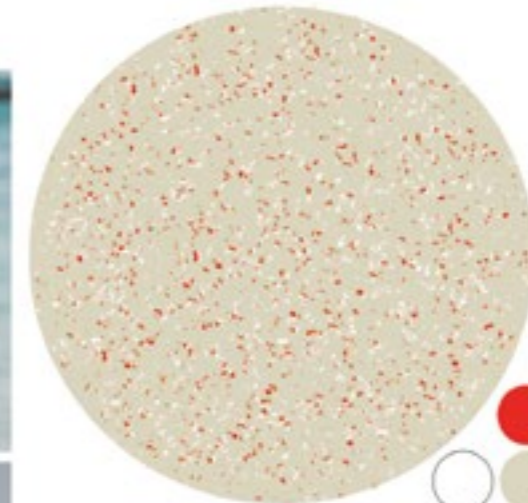


eco-309g MMA-MadreTierra

ECO***



* 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.



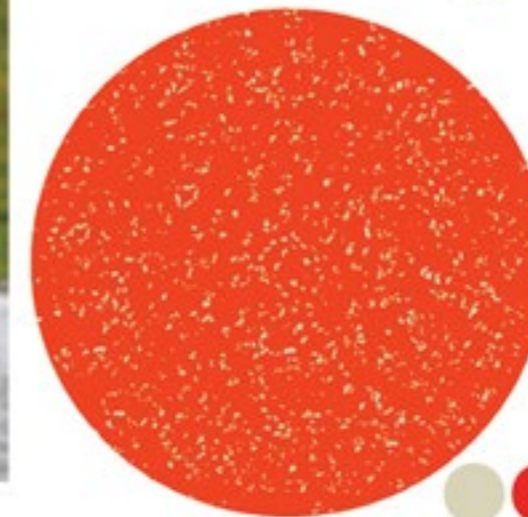
eco-310g IPA - PIEDRA

ECO***



eco-311g SIKI - FUEGO

ECO***



eco-312g ISHOO-SER ROJO

ECO***



colors

ecopixel MAROON

PIGMENTED by **ecopixel**[®]

ecopixel MAROON



ecopixel MAROON

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

Composition

PELD4

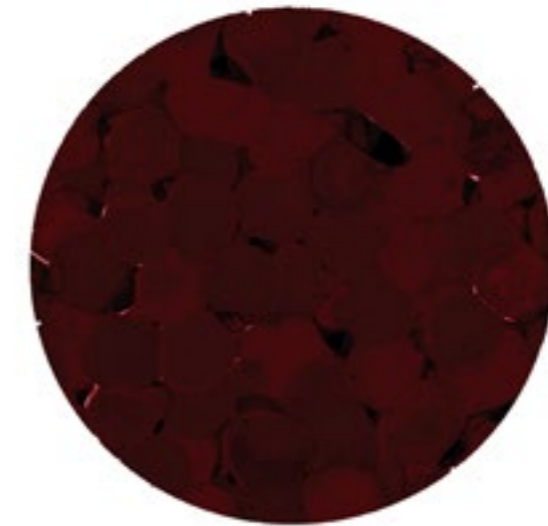
Source

Post Industrial / Packing

Recycled content

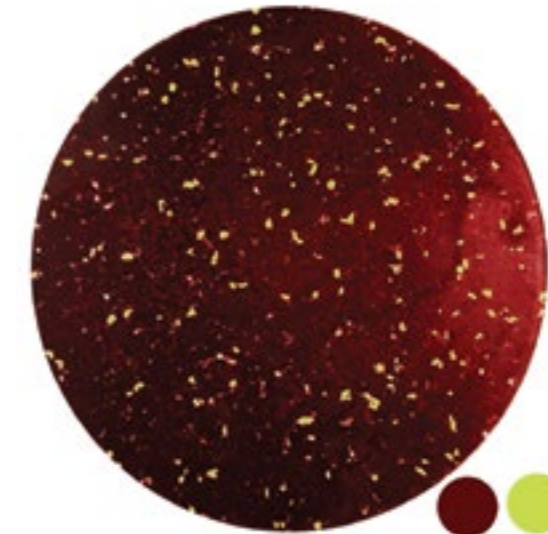
100%

ecopixel MAROON



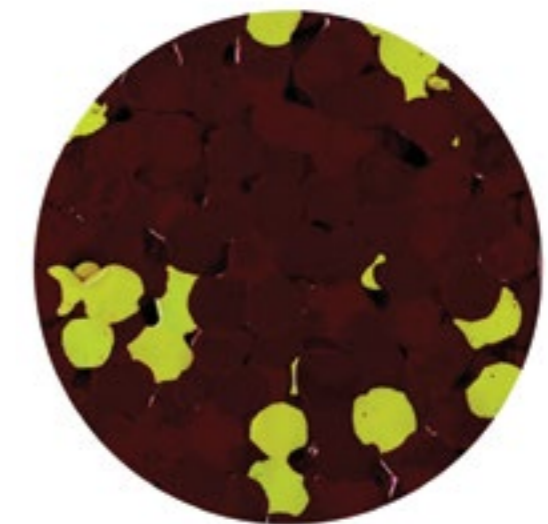
eco-320M MAROON

ECO***



eco-321M MAROON - GREEN

ECO***



eco-321M POINT MAROON
-GREEN

ECO***

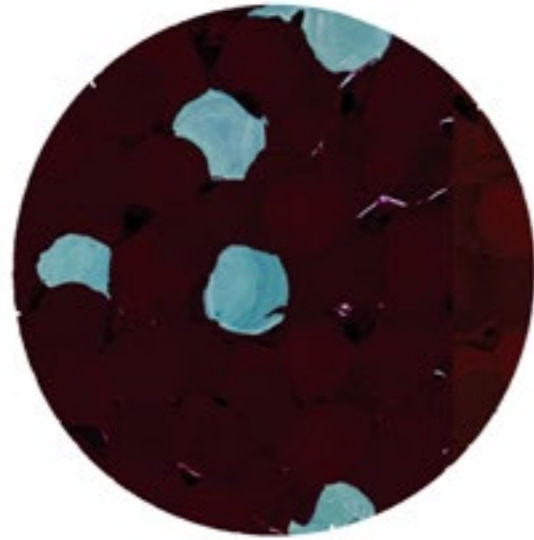


MAROON is the first of a group of colors that become popular at different times, that are usefull in areas where new products are continuously emerging.



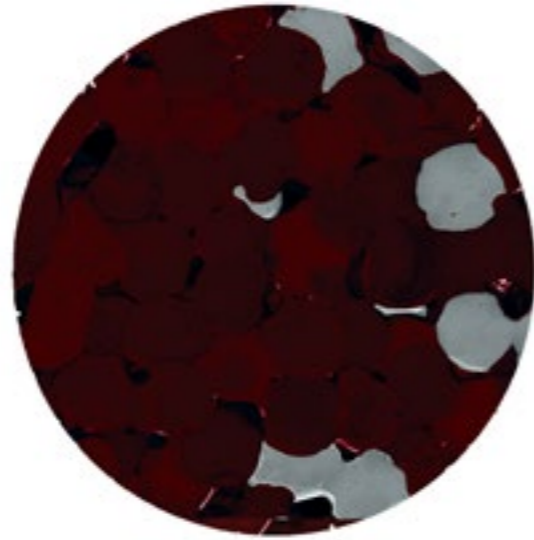
eco-322M POINT MAROON
-ACQUA

ECO***



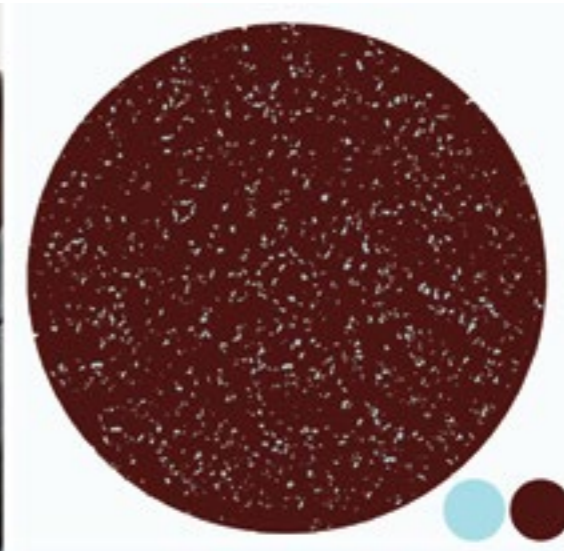
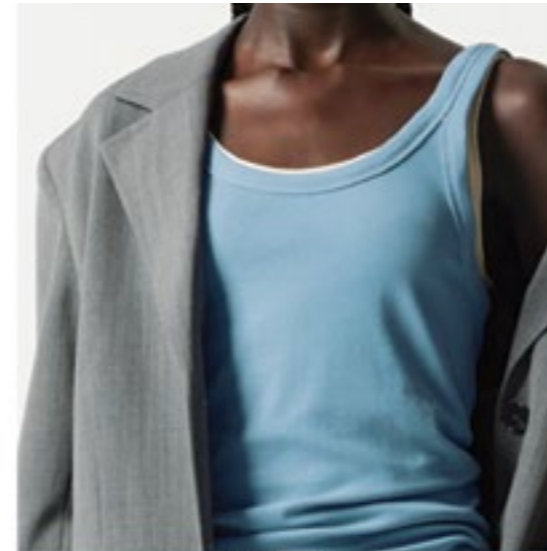
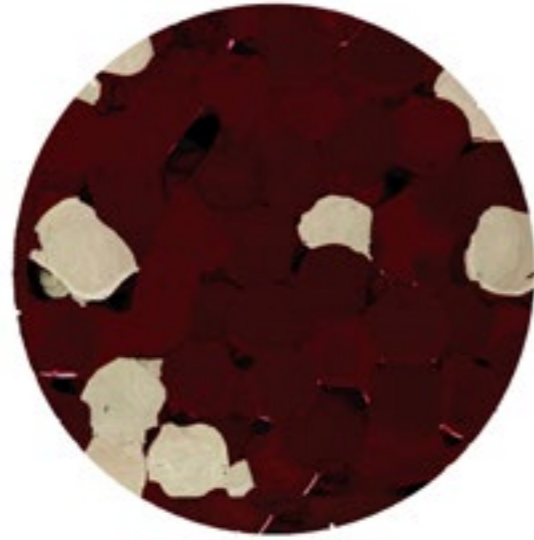
eco-323M POINT MAROON
-GREY

ECO***



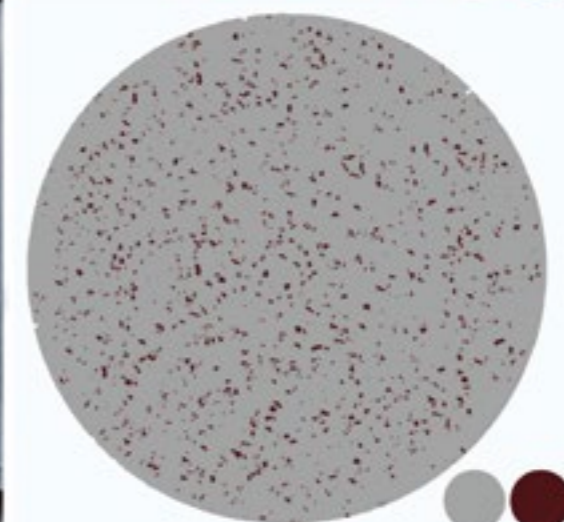
eco-324M POINT MAROON
-SAND

ECO***



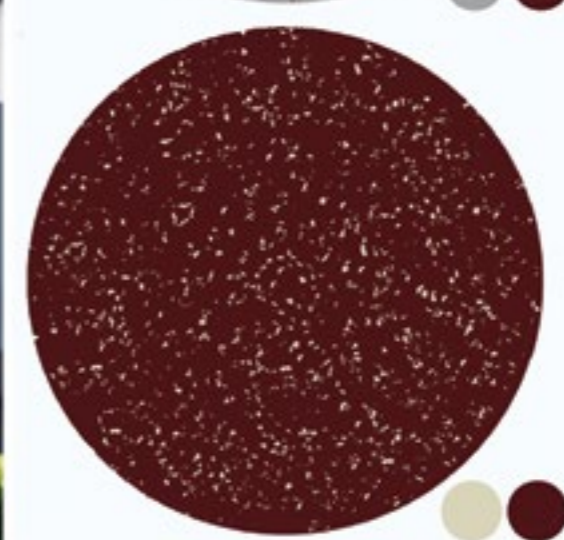
eco-322M MAROON-ACQUA

ECO***



eco-323M MAROON -GREY

ECO***



eco-324M MAROON -SAND

ECO***



textures

Typologies



ecopixel STANDARD

ecopixel STANDARD

6 millimeter irregular pixel.

Composition

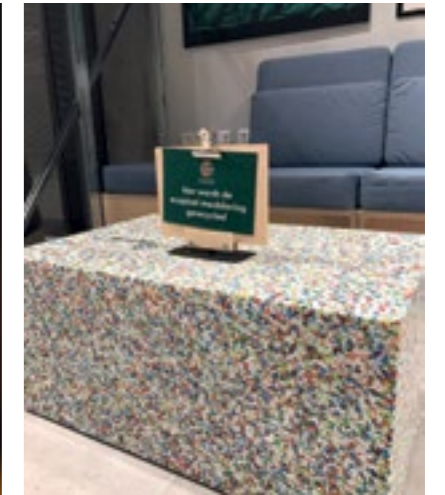
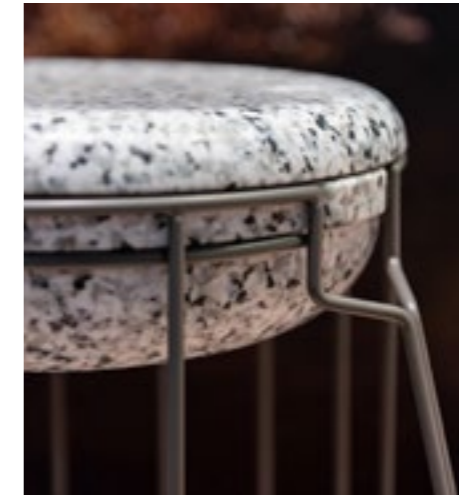
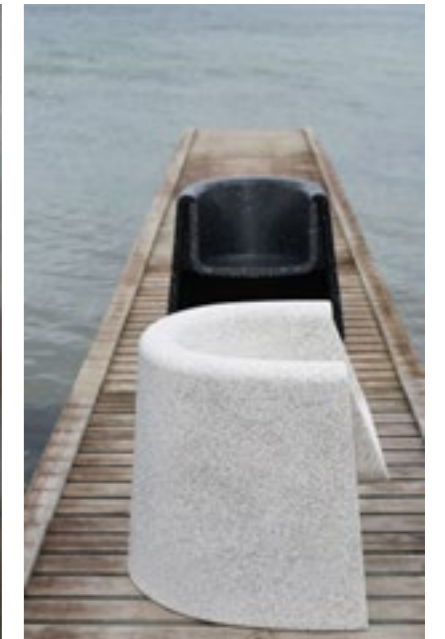
PELD4/PERT/PEHD

Source

Post Industrial / Packing-Automotive-Construction & Post Consumer

Recycled content

80 to 100%



Our standard 5/8 mm size shredding will lead to the typical "terrazzo effect" and is available in all colors mentioned.



ecopixel MINIPIXEL

ecopixel MINI

2 millimeter irregular pixel.

Composition

PELD4/PERT/PEHD

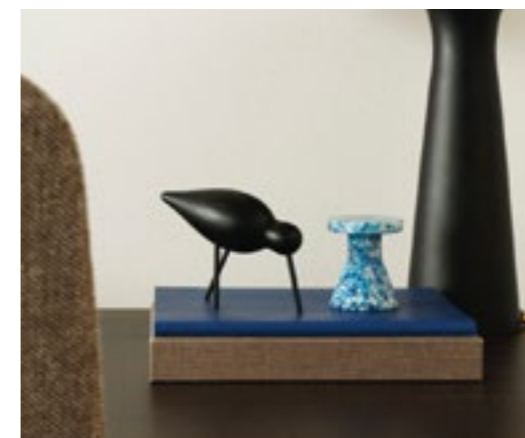
Source

Post Industrial / Pack-
ing-Automotive-Const-
ruction & Post Consumer

Recycled content

80 to 100%

Smaller size pixels are usually re-
quested/applied in smaller objects
or where smaller Radia are present.
In the same way, we can also deliver
a larger pixel. Larger pixels, howev-
er, 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 PROUST

PROUST decor by Alessandro Mendini © 2017

<p>ecopixel DOTS Open pixel Ø18mm 98% recycled pLastics (plus 2% pigment)</p> <hr/> <p>Composition PELD4</p> <p>Source Post Industrial / Packing</p> <p>Recycled content 98%</p>
--

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.



1. Alessandro Mendini photo by max&douglas
2. ALEX Chaise longue design by A. Mendini
3. DELTA PROUST side table at ecopixel.shop



ecopixel AUDIO

ecopixel AUDIO
 Sound absorbing internal texture.
 Superficial texture
 Special effect © 2024

Composition
 PELD4

Source
 Post Industrial / Packing
 Automotive

Recycled content
 100%

AUDIO / ROUGH

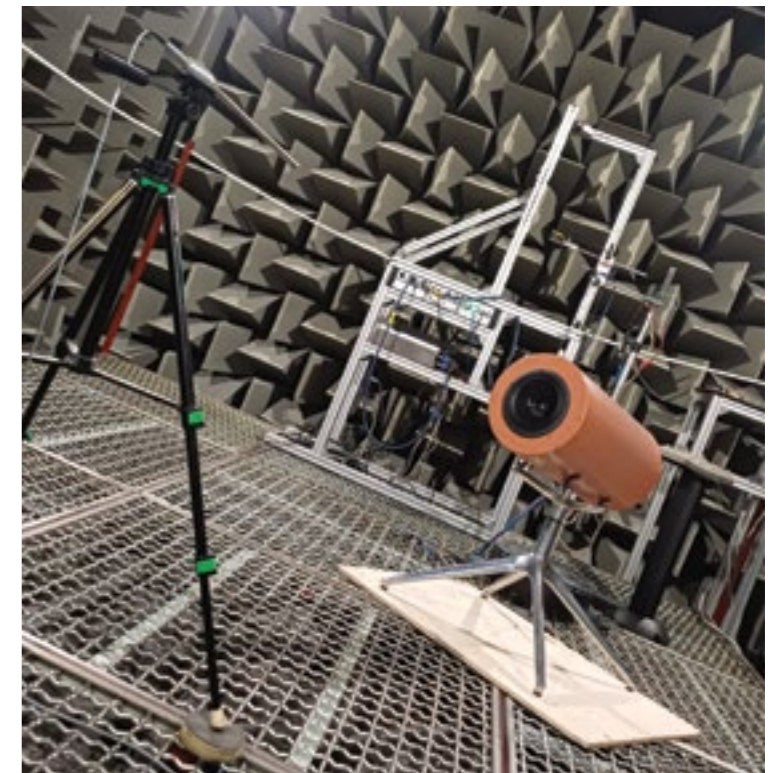
With this surface texture, we tried to express plastic in its most "NATURAL" form. Although plastic derives from natural sources (petroleum), it is often seen as an unnatural material. Shows imperfections in sharp angles and superficial qualities, as any marble or timber often does. This natural quality of "not to hide" gives ECOPIXEL ROUGH a natural aspect.



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



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



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



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





ecopixel TRANSLUCID

ecopixel TRANSLUCID

Illuminates with high uniformity

Composition

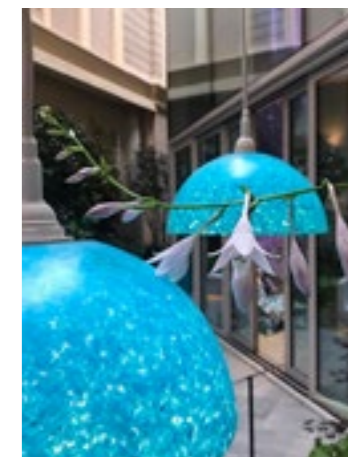
PELD

Source

Post Industrial / Post consumer

Recycled content

100%



ECOPIXEL TRANSLUCID

Allowing light to pass through.

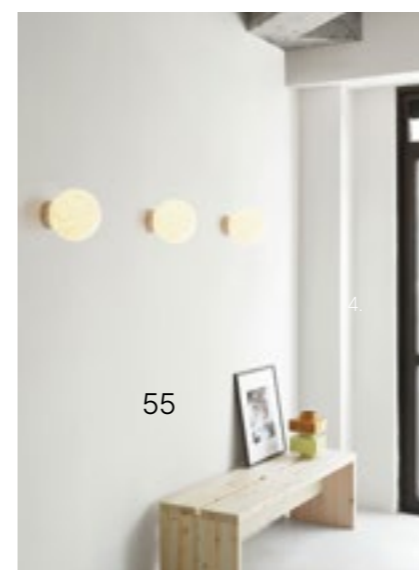
Only a specific selection of translucid waste material will lead to this magical effect. Studying combinations of translucid and non-translucid pixels can create an even more interesting game of light. ECOPIXEL can guide you with experience.



1. 1907 FLOOR LAMP
2. ECOPIXEL-BLUEMOON 16cm diameter
5. ECOPIXEL LUNA Ceiling lamp

Normann Copenhagen © 2022 Pix Lamp collection, design by Simon Legard

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 WATERPROOF

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.



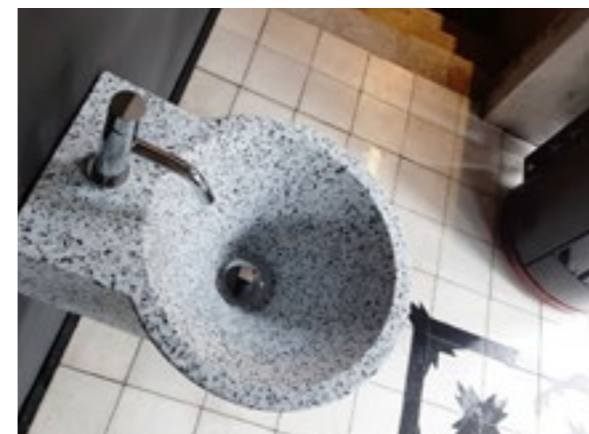
LTT LIGHT TUB / Free standing bathtub by WET ITALIA



ECORAZZO by CLOU NL



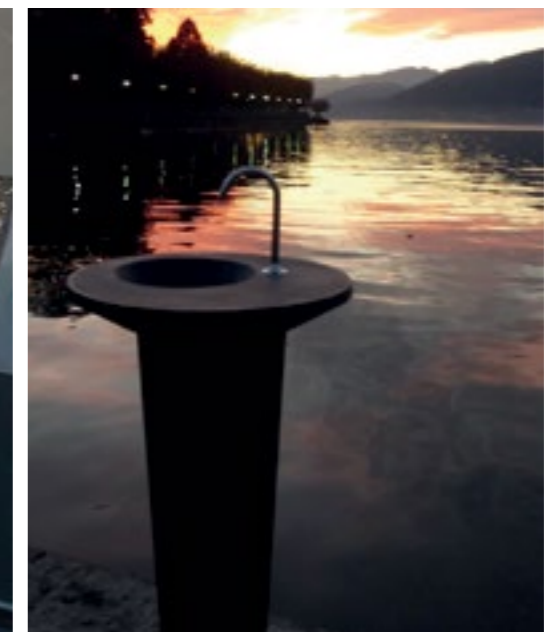
LTB LIGHT BASIN/ by WET ITALIA



HOST - Washbasin



MR BIG - Free standing washbasin



ecopixel ALABASTER

ecopixel ALABASTER

Neutral "Alabaster" uniform colored / eco-000

Composition

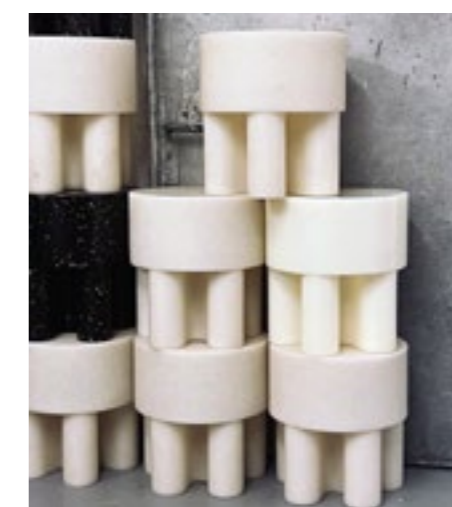
PELD4

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

ecopixel RINGS

Open ring structured

Composition

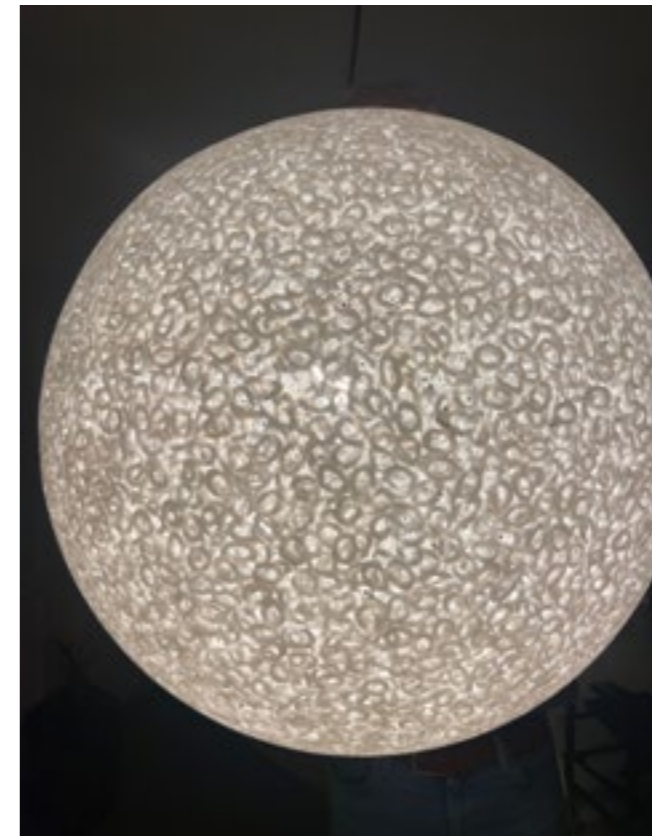
PERT

Source

Post Industrial / Construction

Recycled content

100%



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

Politecnico di Milano -Area Tecnico Edilizia Building ENLAB.



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.





ecopixel MAXIPIXEL

ecopixel MAXIPIXEL

40mm pixel irregular

Composition

PELD

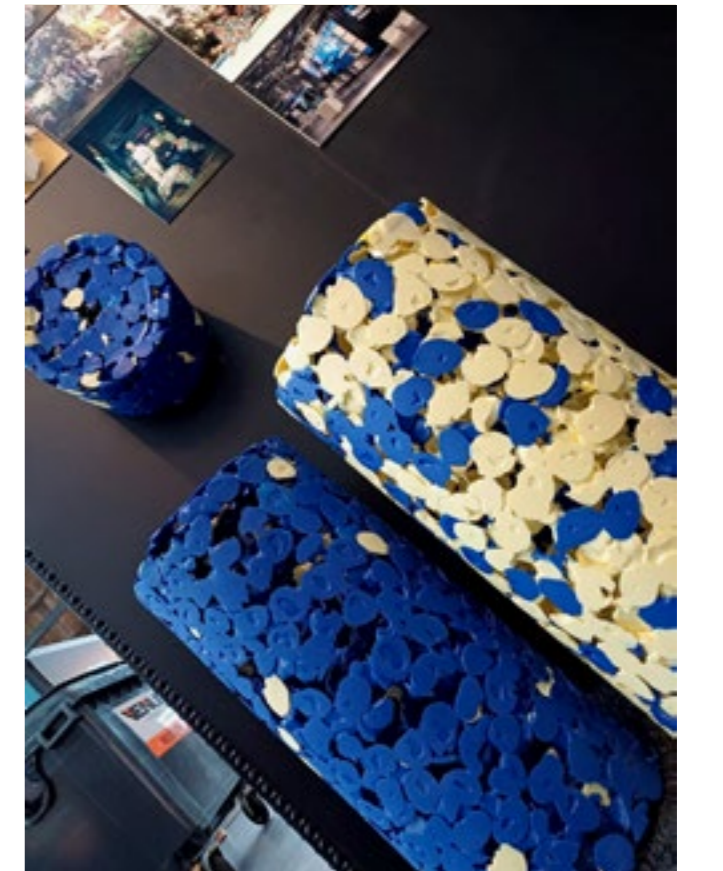
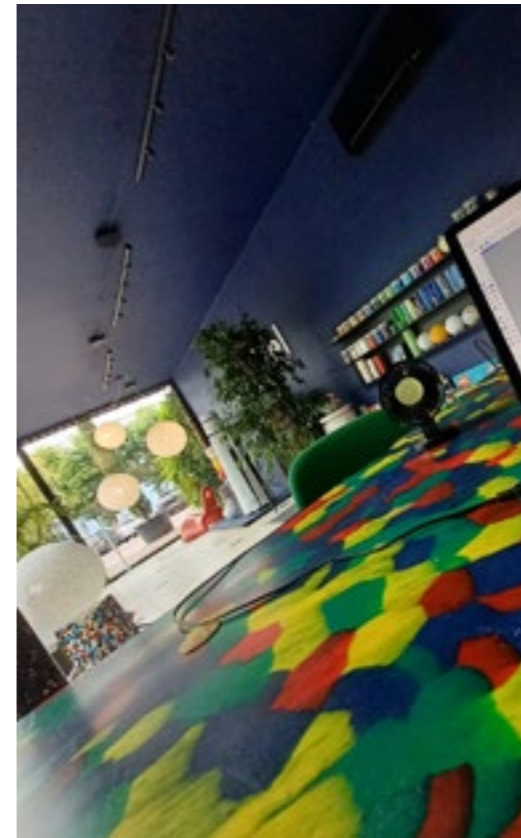
Source

Post Industrial / Packing

Recycled content

100%

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



ecopixel OPEN SKIN

ecopixel OPEN SKIN

Open pixel structured

Composition

PERT

Source

Post Industrial / Construction

Recycled content

100%

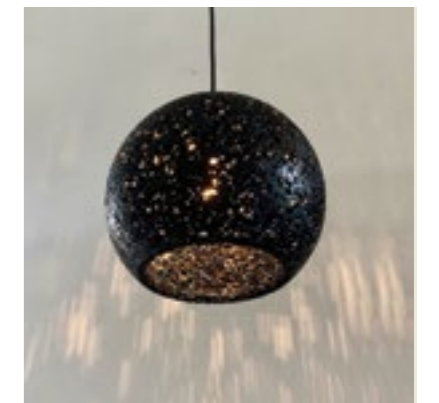
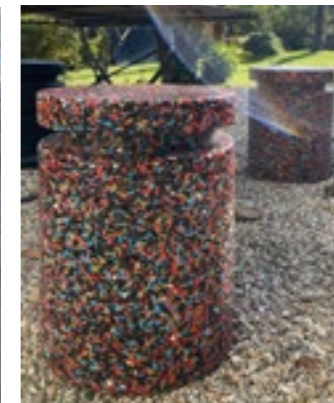


NOMAD is designed by Roger Cos



NOMAD is a lounge chair made from ecopixel PERT waste mélange. 100% circular post-industrial surprisingly comfortable recycled plastic.

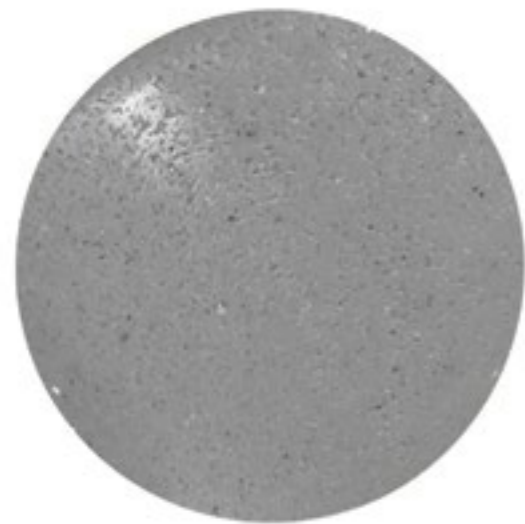
As usual, any product finish is requested to be fully melted and therefore closed as a surface. ECOPIXEL is also available as an "open" structured surface. This feature is not an effect of temperature during production. Instead, it is linked to a certain type of material that, when melted, will automatically 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/YELLOW/ BLUE, or any combination of these.




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-Grey GREY
ECO*** 




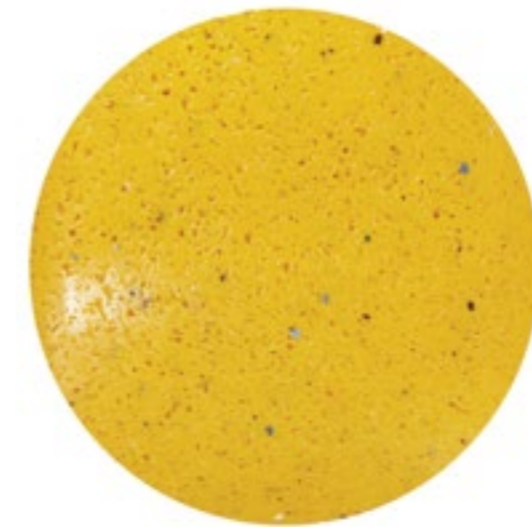
open-Blue BLUE
ECO*** 



open-000K BLACK
ECO*** 




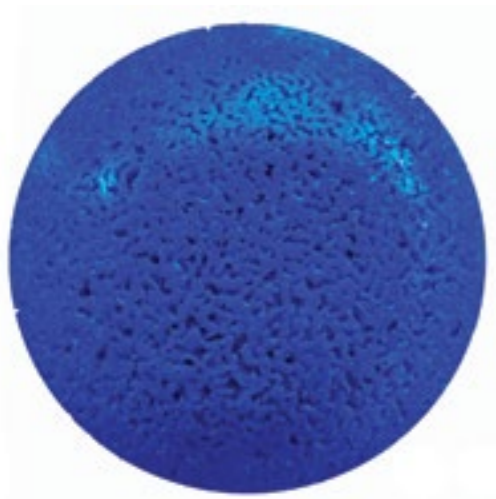
open-001 WHITE
ECO*** 



open-Yellow YELLOW
ECO*** 



open-Red RED
ECO*** 



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-409o OPENSkin

eco-418o OPENSkin

eco-419o OPENSkin

ECO***



ECO***



ECO***



ECO***



eco-417o OPENSkin

eco-420o OPENSkin

eco-421o OPENSkin

ECO***



ECO***



ECO***





circular material

ecopixel.eu

**Textures by ecopixel©
made from
plastic waste materials**

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Lago Maggiore, ITALIA