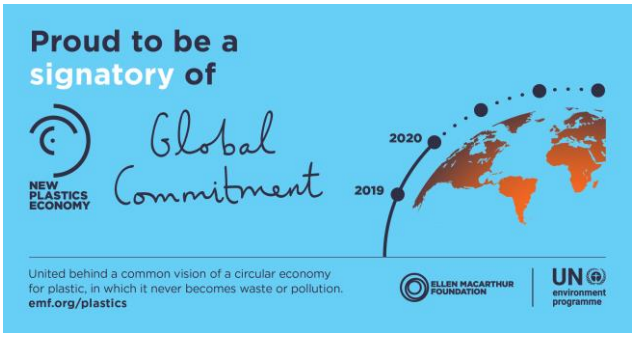
WET/ecopixel®

ecopixel®

never refuse to reuse



ECOPIXEL / material and production technique

ECOPIXEL follows a rigid commitment never* to mix different kind of plastic typologies in its recycle process/methods, in order to obtain fully recyclable materials also after their lifecycle and so create truly circular materials. Keeping materials clean (read monomer) means we can calibrate the exact right temperature during their recycle-transformations and so none of the material molecules will ever burn, keeping the material at all times useful for their next recycle runs. ECOPIXEL already features a few 3nd and 4th cycle material typologies.

During the years, ECOPIXEL has developed different production techniques & materials. From its, now known, 3D pressurized method (for 3D moulded shapes) to 2D pressed sheet materials (including CNC cutting service) to even injected and vacuum formed production methods. ECOPIXEL's pressurized method is best described as a blow moulding technique on a vibrating mould. As no other technique it offers the possibility to create sharp edges and hollow, watertight shapes at the same time. Because ECOPIXEL calibrates the temperature at the exact precise melting temperature of the involved material, the shredded pixels will stay visible also in the final product.

Thanks to the multilayer possibility of ECOPIXEL's pressurized method, our research has led to a number of innovative material categories that both aesthetically and structurally benefit from different layers. One of the most fragrant and unique materials is certainly our "AUDIO" version that thanks to its different layers builds up in a acoustically absorbent material. Another fine example is our Blue the Gascogne effect, that only thanks to this principle can exist.

ECOPIXEL PRIME colors

20 years of work with plastic in industrial design and over 8 years of experience with recycled plastics has given us a leading position in recycled materials in which ECOPIXEL has developed a vast range of colors and possibilities. Apart from some very special typologies such as: Open Skin, PERT FLEX, TAPS*, TRASHPLAST*, TRASH standard, Blue de Gascogne and others, ECOPIXEL has developed a range of specific colors that are based on ECOPIXEL's "six" standard pre-mixed color batches and therefor replicable even over time. In the following list of ECOPIXEL PRIME COLORS you will find a list of over 70 colors that can be reproduced over time, ideal for your standards. Please note that the ECOPIXEL PRIME COLORS may have different recycle percentages due to waste-availability, that may differ from time to time as is available from our supply chain.

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*Only in our materials : TRASHPLAST & TAPS, where incoming materials were already mixed, you may find PE2/4 & PP5

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mixed, still resulting a recyclable material with our methods.

ECOPIXEL 2020

The 5 typologies of high percentage recycled materials following our severest 90 to 100% recycled percentage materials:

- TRASHPLAST (100% post-consumer waste PE-PP “garbage”)
- PERT FLEX (100% post-consumer* waste flexible open-skin PERT)
- TAPS (95% post-consumer waste PE-PP bottle taps)
- Black is the new Black (90 to 95% post industrial waste PELD / featuring 5 different color-options based on black).
- Ecopixel “AUDIO” (95% post-industrial PELD – especially designed multilayer acoustic absorbing material for speaker enclosures).

We set our goal to continuously develop new typologies to stimulate our clients to use high percentage recycled materials. Ecopixel is always on the look for new suppliers of materials, investing in research to obtain new possibilities.

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We had abandoned PVC packaging tape now using PP packaging tape and is currently experimenting with carton tape for its packaging, and exchange the extendable plastic foil with carton multiple boxes where possible.

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

@ecopixel_italia / @ecopixelcolors / #ecopixel /

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