

THE RIGHT CHOICE OF COLOUR FOR THE ENVIRONMENT



SWITCH SIDES

FROM VIRGIN MATERIAL



BRIGHT COLOURS ARE NOT A BRIGHT EXAMPLE

Less bright plastic colours allow for a much higher recycled content. In the case of containers, the colour identifies the waste fraction, but this does not mean that the entire container must be completely coloured. Nonetheless, some customers prefer these completely coloured containers. For this reason, ESE has developed a total of 4 recycling colours and then combines these colours with coloured clips or lids for better fraction identification.

Why does the ESE group invest so much in recycled materials research and development? Because ESE feels strongly about protecting and preserving natural resources and also about passing on the entire benefits to its customers.

Virgin HDPE material requires about 88% more energy to produce than does recycled material and it produces about 65% more CO₂ equivalents. Here is the comparison between a 120 L container made from virgin material and a container made from recycled material.

CO₂ BALANCE virgin material of a 120 L container:

10,82 kg CO₂e



FC 081 ≈ RAL 5017

FC 387 ≈ RAL 5010

FC 135 ≈ RAL 5003



FC 040 ≈ RAL 6011

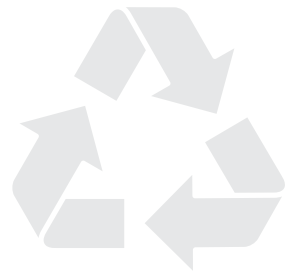
FC 180 ≈ RAL 6020



FC 090 ≈ RAL 8025

FC 099 ≈ RAL 8028

TO RECYCLED MATERIAL



YOUR CHOICE OF COLOUR MAKES THE DIFFERENCE

ESE has decades of experience in working with recycled plastic and has the know-how to manufacture containers for waste and recyclables from up to 100% recycled material. This saves up to 100% of the raw material - petroleum - and the containers thus score highly with a positive environmental footprint.

If waste containers for 40 million households (example Germany) were made from recycled plastics instead of virgin materials, this would improve the environmental balance by around 1.1 million metric tons of CO₂ and bring us a big step closer to our common environmental goals.

CO₂ BALANCE recycled material of a 120 L container:

4,18 kg CO₂e





MAKING THE FRACTIONS VISIBLE



FC 099 ≈ RAL 8028

FC 387 ≈ RAL 5010

FC 180 ≈ RAL 6020

A GOOD VIEW ON THINGS

The most sustainable and simplest solution for the use of recycled material is the complete elimination of colour for the containers themselves. The fraction is then identified by the lid colour or by coloured clips. In addition, coloured stickers could be applied to the side surfaces of the containers where they could be clearly seen from the collection vehicle.

A WIN-WIN FOR YOU AND THE ENVIRONMENT

By using basic dark grey containers in association with coloured lids or clips, you simplify your container management, optimize storage and reduce costs.

GREY IS STILL YOUR BEST CHOICE



FC 030 ≈ RAL 7021



HARMONIOUS COLOUR SCHEME

ESE recycling colours fit perfectly into the urban environment. The fraction identification via lids, lid parts or clips is easily recognized by both users and the waste collection workers. The colours are coordinated so that recycling colours and fraction colours are in harmony.

MAKING RECYCLING VISIBLE

CIRCULAR LOOK - INDIVIDUALITY AS A STATEMENT

The colour composition of recycled materials is not always identical. This means that variations in the base colour can influence the final colour result. The base colour of the coloured material is always identical but may vary slightly. These colour effects are the sign of quality in resource conservation. Thus, the Circular Look of ESE waste containers becomes visible proof of your contribution to climate protection.



FULL COMMITMENT TO ENVIRONMENTAL PROTECTION

To obtain the best possible results, ESE has developed optimal colours and defined them as "recycling colours". When processing virgin material, the production processes are clearly defined. The base material is always the same, and the mixing ratios with the colour batches are automated. When processing recycled material quality tests are of course carried out regularly to ensure that strict requirements for quality and safety are met. All containers leaving ESE's plants bear the RAL quality symbol.

WHAT'S INSIDE THE WASTE CONTAINER?

ESE experts are constantly working on solutions to expand the range of recycled materials in order to be able to integrate as much plastic as possible from other material streams in the future.



FC 030 ≈ RAL 7021
Black grey*



FC 387 ≈ RAL 5010
Gentian blue*



FC 135 ≈ RAL 5003
Sapphire blue*



FC 180 ≈ RAL 6020
Chrome green*



FC 099 ≈ RAL 8028
Terra brown*

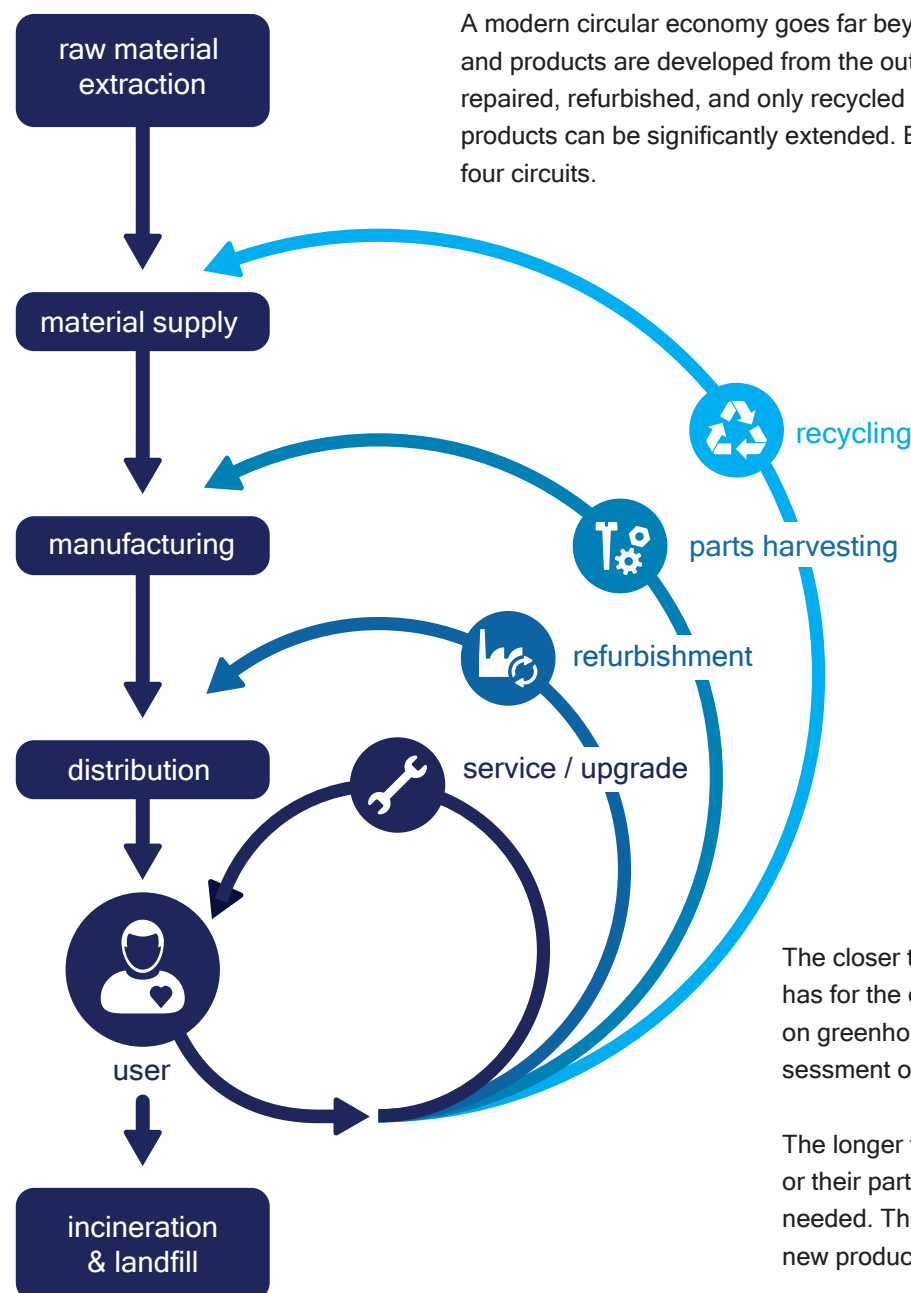


*The colour specifications in the RAL colour chart as well as the print and view colours of this document are approximate values. Ask our distributors for colour samples.

CIRCULOGIC®

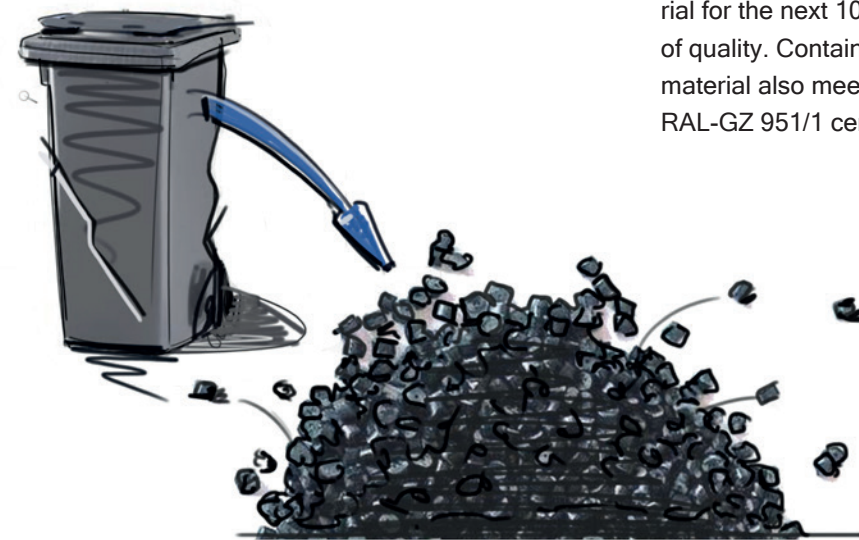
PRODUCT AND ENVIRONMENTAL RESPONSIBILITY

A modern circular economy goes far beyond recycling. At ESE, existing materials and products are developed from the outset so that they can be rented, reused, repaired, refurbished, and only recycled at the end. In this way, the life cycle of the products can be significantly extended. ESE's CIRCULOGIC® concept comprises four circuits.



The closer the cycle is to the user, the greater value it has for the circular economy and the greater the impact on greenhouse gas emissions and on the life cycle assessment of products.

The longer the product life and the more often products or their parts are reused, the fewer raw materials are needed. The parts are only recycled at the end to make new products.



WE CAN RECYCLE UP TO 10 TIMES

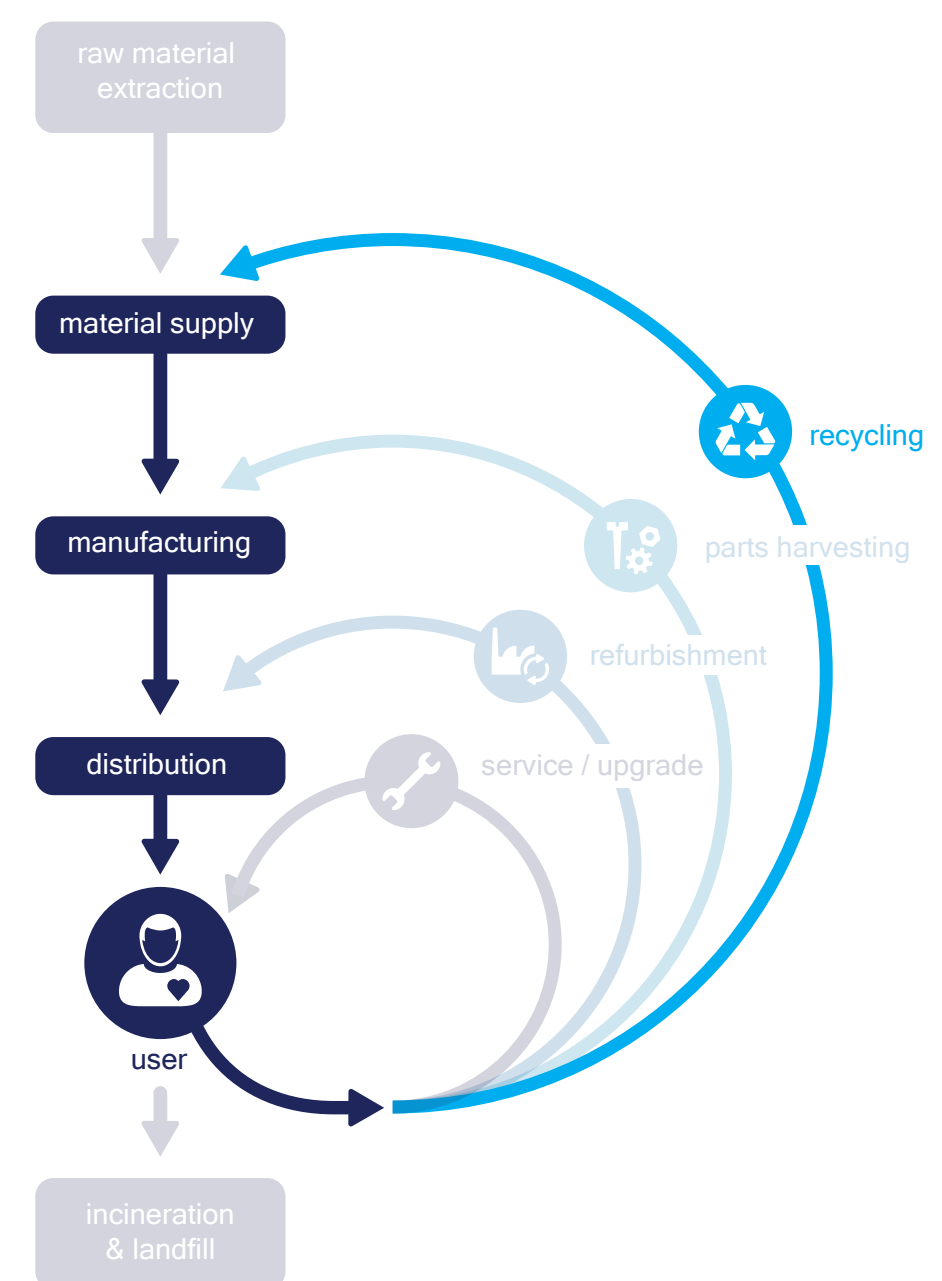
ESE has been manufacturing containers from recycled plastic containers, bottle caps and other recycled HDPE plastics for a very long time. And ESE has scientifically proven that HDPE plastic can be recycled up to 10 times without loss of mechanical stability and material properties.

Your decision to recycle secures the material for the next 100 years without loss of quality. Containers made of recycled material also meet the quality criteria of the RAL-GZ 951/1 certification.

All volumes are available with the Blue Angel environmental label.



www.blauer-engel.de/uz30a



ESE - WE VALUE YOUR RECYCLABLES



KERBSIDE SYSTEMS
MOBILE CONTAINERS FOR
WASTE AND RECYCLABLES



BRING SYSTEMS
(SEMI-) UNDERGROUND SYSTEMS
COLLECTION BANKS



BIO SELECT LINE
CONTAINERS AND COMPOSTERS
FOR GARDEN AND BIO WASTE



HAZARDOUS WASTE CONTAINERS
MOBILE FUEL CONTAINERS
MOBILE OIL CHANGE UNITS



PUBLIC FURNISHING
BINS FOR THE PUBLIC SPACE



CONTAINER MANAGEMENT
DISTRIBUTION, REGISTRATION,
COLLECTION AND RECYCLING

ESE is Europe's leading manufacturer of temporary storage solutions for waste and recyclables. Our comprehensive range of products is complemented by a full service offer from container management to the recycling of products at the end of their lifetime. Specialists in all departments develop solutions to meet our customers' requirements. In doing so, we follow the principle of highest possible sustainability from product development and production to transport.