



GLASS RECYCLING



FAC TS

REILING – WITH US YOU CLOSE THE LOOP

The Reiling Group is one of Germany's leading recycling specialists for glass, PET (plastic), wood and photovoltaic modules. The production and marketing of glass powder, foam glass gravel and Revitro are also part of the portfolio of the Reiling Group.

As recycling experts, we have been deeply committed to sustainability and

environmental protection for generations and ensure that collected recyclables are optimally returned to the economic cycle. Through the separation of glass waste by type, professional processing and the reuse of cullets as secondary raw materials in the glass manufacturing industry, a significant amount of raw materials, energy and CO₂ can be saved on an ongoing basis.

With over a million tonnes of glass processed annually, we are one of Europe's leading recycling companies. With a total of 15 glass sites in Germany and Europe, we offer our business partners a comprehensive network with short transport routes.



RECYCLING OF FLAT GLASS

RECYCLABLE WITHOUT LOSS OF QUALITY

Thanks to 100 years of experience and our team of over 650 employees, we ensure that high-quality processed cullet can be reused as a secondary raw

material at 15 glass recycling sites in Germany and abroad.

In order to achieve the best possible recycling results, it is necessary to collect the different types of glass waste as separately as possible.

From small transfer containers to larger skips and large roll-off containers, we offer customised container solutions. The decisive factors here are your requirements and the quantity and type of glass waste produced.



WE COLLECT, CHECK AND RECYCLE

- Float glass
- Laminated glass
- Automotive glass
- Insulating glass
- Mirror glass
- And much more

OUR “ISOMIX”

It is also possible to collect mixed fractions from different types of glass.



Float glass



Car windows



Isomix



Laminated safety glass



RECYCLING OF POST-CONSUMER FLAT GLASS

EFFICIENT PROCESSING FOR THE FLOAT GLASS INDUSTRY

The separate collection and processing of end-of-life flat glass – for example from demolition projects or car repair shops – is a challenging task. Our goal is to significantly increase the proportion of recycled post-consumer cullet in float glass production and to close cycles in a sustainable manner.

Thanks to state-of-the-art and efficient recycling technologies, we process post-consumer flat glass to produce high-quality glass cullet that can be returned to the float furnace.

The quality of the input material is the key to achieving the best possible result.

OUR SERVICE FOR YOU:

We support our customers in the single-type collection of flat glass directly at the point of origin. With tailor-made end-of-life concepts and individual advice – on request also in person on site – we develop the right container solution for your requirements and circumstances.

We organise collection flexibly: just-in-time or at regular intervals, as agreed.

DO YOU HAVE LITTLE SPACE ON SITE?



We also pick up individual 1.5 m³ stacking containers!

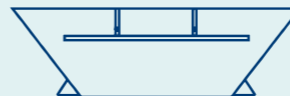
OWN FLEET
WITH VARIOUS
GLASS COLLECTION
VEHICLES.



CONTAINER TYPES TO SUIT YOUR NEEDS



Stackable containers
(with and without castors)
from 1,1 to 1,5 m³



Skips
(various sizes)
from 5 to 12 m³



Roll-off containers
(various sizes)
from 15 to 20 m³

SPECIALISED CONTAINER SOLUTIONS

SHARDS BECOME PANES

For the simple and sorted collection of your glass waste, we offer disposal concepts tailored to your needs and various container solutions:

From 1.1 m³ transfer containers and 5-12 m³ skips to 15-20 m³ roll-off containers. The decisive factors here are your individual requirements and the quantity and type of glass waste produced.

Glass collection is flexible and reliable, from agreed intervals to just-in-time collection! With our own vehicles, we offer a comprehensive service from a single source.

RECYCLING OF CONTAINER GLASS

EFFICIENCY WITH THE HIGHEST QUALITY

We are one of Europe's market leaders in glass recycling. As a partner to dual systems, local authorities, industry and commerce, we are there wherever you need us.

White, green, brown or coloured – we collect container glass via glass recycling containers as a partner to dual systems and local authorities. We also support industry, commerce, gastronomy and trade in glass recycling. In addition to setting up containers, we guarantee

regular collection or even just-in-time pick-ups!

We offer the manufacturing glass industry optimum cullet quality, as this is the only way to ensure the highest possible recyclability in glass melting. Together with US researchers, we began using X-ray fluorescence analysis in glass recycling (a process for separating impurities) years ago. Today, this method has become indispensable in international cullet processing. We are constantly

WE COLLECT:
BROWN GLASS
GREEN GLASS
WHITE GLASS
COLOURED GLASS

working to incorporate new findings and research results into our technical processes.

This enables us to achieve the best possible results in terms of purity, fine grain content and colour sorting. Every year, over a million tonnes of cullet can be returned to the recycling cycle through the sorting of container and flat glass.





OUR QUALITY STANDARDS



- Purity: largely free of contaminants such as ceramics, stone, porcelain (CSP), metal/non-metal, organic materials such as plastic and paper
- Colour distribution and colour proportions
- Colour mixtures possible
- Grain size distribution as desired
- Regular transmission of all quality parameters to the glassworks
- Complete documentation of the recycled glass quantities

CUTTING-EDGE PLANT TECHNOLOGY

GLASS IN THE CYCLE

For the processing of sorted container and flat glass, we work with state-of-the-art technologies, some of which we have developed ourselves, and individually tailored recycling processes.

Our recycling process uses specialised sorting machines to remove all foreign matter from the glass, such as CSP, ferrous and non-ferrous metals, glass ceramics, leaded glass and organic materials. This makes our recycled glass cullet ideal for use in high-quality melting applications.

FINE GRINDING OF RECYCLED GLASS

SPECIAL
REQUIREMENTS
FOR THE GRAIN SIZE
OF THE
GLASS POWDER?
NO PROBLEM!

VERSATILE APPLICATIONS

Our modern grinding process enables us to finely grind different types of glass from a wide variety of sources.

We generally produce glass powder from our recycled glass cullet, which is made from container or flat glass. This is because the high quality of the end product depends on the quality of the input material. We can also grind your glass cullet on request.

In addition to guaranteed purity, individual grain sizes are also possible. The glass powder is delivered by silo transport or in big bags.

FLEXIBILITY AND HIGH STANDARDS



We manufacture the glass powder according to your specifications and quality requirements so that it is ideally suited to your glass application, for example: foam glass, flat glass, container glass and expanded glass.

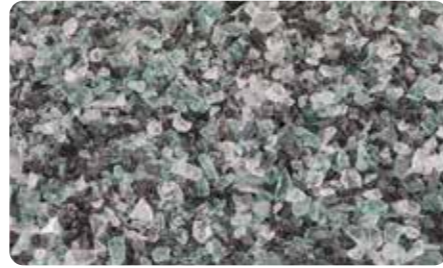




Float glass



Laminated safety glass



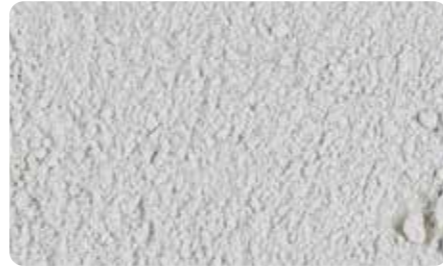
Automotive glass



Isomix



Iso2Float



Glass powder



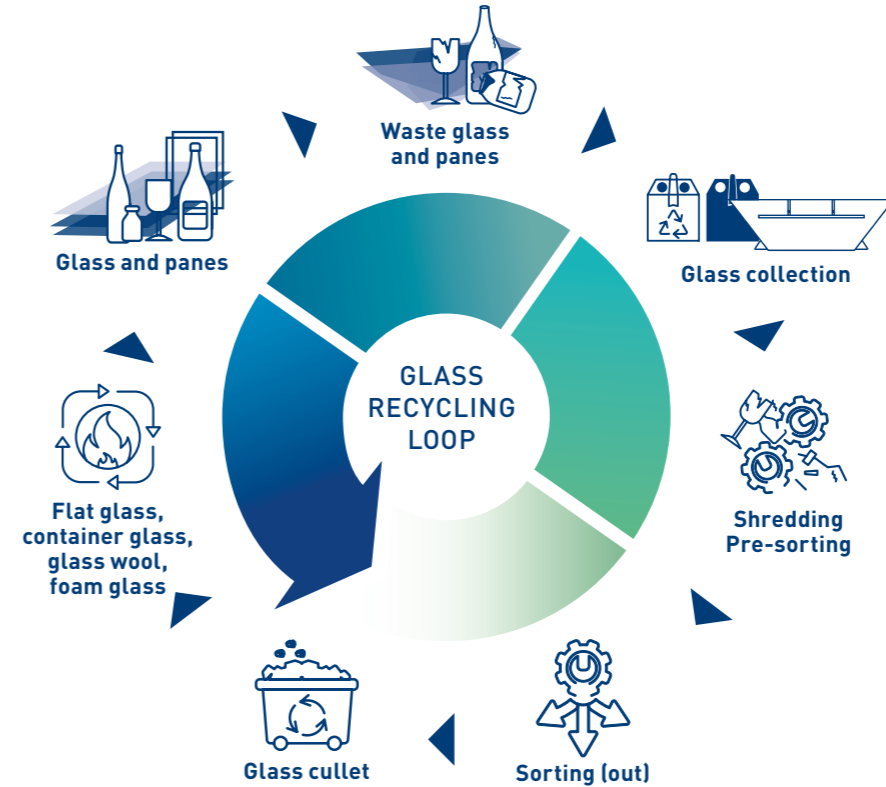
White container glass



Brown container glass



Green container glass



Glass recycling contributes significantly to environmental protection and resource conservation. By using 10% recycled glass cullet, approximately 3% energy and approximately 5% CO₂ can be saved in glass production.

OUR END PRODUCTS

HIGHEST QUALITY FOR OUR CUSTOMERS

We can offer our customers secondary raw materials of high purity and quality.

Taking into account the individual specifications of glassworks and the glass processing industry, our products are free of CSP, FE and non-ferrous metals, glass ceramics, lead-containing glass and organic materials – perfectly prepared for reuse in high-quality melting applications.

Thanks to our innovative recycling solutions, we will remain a strong and reliable partner for our customers and buyers in the future.

GLASS RECYCLING LOCATIONS IN GERMANY



Reiling Glas Recycling GmbH & Co. KG
 Bussemasstraße 49 • D-33428 Marienfeld
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 OT Osterweddingen
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Reiling Glas Recycling GmbH & Co. KG
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Ruhrglas Recycling GmbH & Co. KG
 Frydagstraße 39 • D-44536 Lünen
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R-Glas Recycling GmbH & Co. KG
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Micro-Mineral GmbH
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Soon: SR Glass Recycling s.r.o.
 Pražská 585 • CZ-430 01 Chomutov (Málkov)



Locations in total: 21
 Locations glass: 15
 Business areas: 6
 Employees: > 650
 Quantity volume: > 1 m t/year
 Years of experience: > 100 years

* under construction

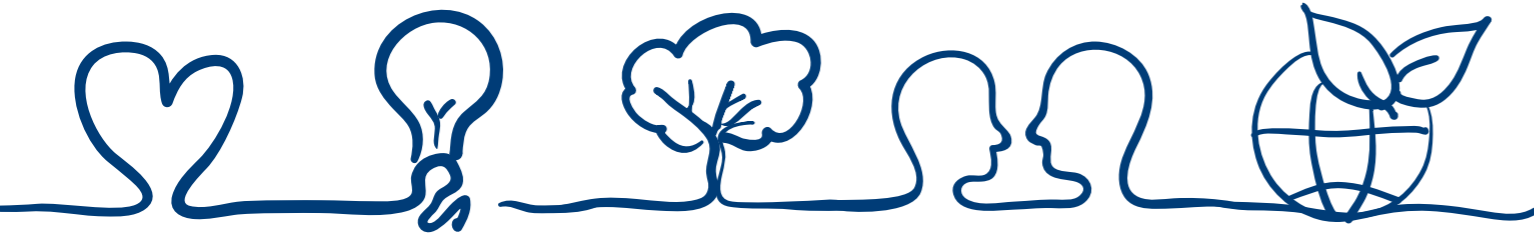
FAMILIAL
SOCIAL

INNOVATIVE
FUTURE-ORIENTED

COMPETENT
GROUNDED

RESPONSIBLE
FAIR

CONSCIOUS
ECO-FRIENDLY



VALUES OF REILING GROUP



ENVIRONMENTAL PROTECTION

Sustainability equals the future to us.

This is what we at Reiling Group are committed to. We see environmental and climate protection as an important task and take this into account in all corporate decisions.

Protecting the environment and using natural resources sparingly depend on the commitment of every single employee and are firmly anchored in our business policy and corporate philosophy. Where possible, we rely on renewable energies within the company and implement organisational and technical measures to avoid or minimise environmentally harmful emissions, waste and wastewater. Our environmental management and energy management systems also demonstrate our sense of responsibility towards the environment and the efficient use of resources (DIN EN ISO 50001 and DIN EN ISO 14001 certification).

TRUST

CERTIFIED DISPOSAL SECURITY

We stand for quality and reliability.

However, we do not rest on our laurels. In order to continuously improve and always meet quality and legal requirements, we are our own strictest inspectors. In addition, we undergo regular independent audits by external certifiers.

We are certified:
Efb Certification
Quality Management DIN EN ISO 9001
Energy Management DIN EN ISO 50001
Environmental Management DIN EN ISO 14001





Materials management. Recycling.
WITH US YOU CLOSE THE LOOP.



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