

# Glass recycling

A GUIDE TO  
GETTING STARTED



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# Glass recycling

## the Ardagh Glass Packaging way

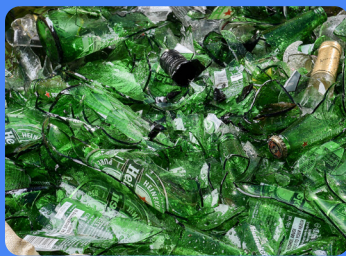
Consumer concerns around sustainability are on the rise, with more and more people considering the impact of the products we buy and how they are packaged.

**Glass is a sustainable packaging material with unparalleled credentials. It is 100% recyclable: the same glass container can be recycled indefinitely in a bottle-to-bottle loop, without ever losing its intrinsic properties –the only material that doesn't lose quality in recycling.**

In a circular economy, the benefits of recycling, repurposing and reusing glass are countless. More recycled content used in production translates directly into fewer raw materials needed, less energy consumed, and less CO<sub>2</sub> emitted.

For these reasons, glass recycling is a key focus at Ardagh Glass Packaging and in South Africa, the company has launched the 'money4glass' initiative to drive growth in glass recycling.

*See more at [money4glass.co.za](https://money4glass.co.za).*





# What you need to know about glass recycling

**1 Why recycle glass?**

- Recycling cuts waste disposal costs by close to 10%.
- Recycling saves energy, minimises the consumption of raw materials and reduces air pollution – all of which are good for the environment.
- Recycling creates employment.

**2 What is glass recycling?**

- Recycling is the process of converting waste (in this case, used glass containers) into reusable items (new glass containers).

**3 What is cullet?**

- Cullet is crushed glass that is ready to be remelted.
- Particle sizes must be greater than 40mm.

**4 What glass can be recycled?**

Ardagh Glass Packaging recycles the following glass containers:

- Cool drink bottles
- Beer bottles
- Wine bottles
- Spirit bottles
- Food jars
- Medicine bottles

To supplement your income, please return your unbroken *returnable* bottles to a retailer for a deposit.

**5 What glass cannot be recycled?**

Ardagh Glass Packaging will not recycle the following:

- Float/Sheet glass (flat glass such as windowpanes, window screens)
- Laminated glass
- Wire reinforced glass
- Fluorescent tubes
- Mirrors
- Ovenware or ceramic crockery
- TV screens
- Light bulbs
- Car headlights
- Burnt glass
- Glass containers used in laboratories (*test tubes, glass beakers, etc.*)

# Where you can collect used glass and what to do with it

Using small bags or drums, used glass containers can be collected from:

- ✓ Liquor outlets
- ✓ Households and streets
- ✓ Shopping complexes
- ✓ Restaurants and entertainment venues
- ✓ Landfills



## Safety first:



Glass can be dangerous if it is mishandled.




Always wear safety gloves when handling broken glass.



Always wear your safety glass/goggles when breaking glass.



Always wear shoes with thick soles when working with broken glass.

- You can sell whole/unbroken glass containers to your buyer or you can break the glass into the 1-ton bags or 210-litre drums provided by Ardagh Glass Packaging or The Glass Recycling Company. (1 ton = 1 000 kg)
- The broken pieces must be bigger than two R5 coins, about 40mm.
- Fill the bag completely with broken glass.
-  DO NOT sort glass by colour.

Store your full bags in areas that are easily accessible by bigger trucks for safe loading. Make sure there are no obstructions.

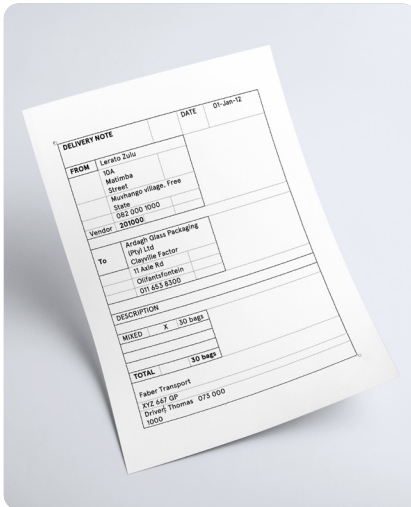
# Things to remember

- Your glass must be clean.
- Glass must be free from any contaminants (stones, soil, sand, etc).
- The 1-ton bags must not be exposed to rainy or sunny conditions for more than three weeks.
- Bags filled with broken glass will not be 1 ton; it normally weighs between 750kg and 900kg.
- Each bag must be weighed individually to determine the exact weight.
- Payment is according to weight and not per bag.
- Always make sure that the bottom discharge chute is securely fastened on the outside of the bag. This must be done before crushing the bottles in the bag, do not use wire to fasten the bag.



# Cullet collection procedure

- Expected weight is 25 tons or more.
- The total weight of 30 – 34 full bags must be equal to or greater than 25 tons.
- Do not underload the truck - any load less than 25 tons will incur a penalty.
- It is the responsibility of the collector to organise a forklift, TLB or other equipment to help lift the bags onto the trucks.
- Trucks must be loaded as soon as they arrive to avoid any penalty.
- If the weather is not conducive (for example, if it is raining) do not ask for the truck.
- The access road must be able to accommodate a Superlink or Interlink truck.



The image shows a sample delivery note form. It includes fields for 'DELIVERY NOTE', 'DATE' (01-Jan-12), 'FROM' (Lamolin Zulu, 204 Matimba Street, Muthanga Village, Free State, 082 000 5000, Vendor: 204000), 'To' (Ariani Glass Packaging, P/B Lid Clayville Factory, 11 Lake Rd, Ollantsoke, 011 682 5200), and a 'DESCRIPTION' table with columns for 'MIXED' and '30 bags'. The 'TOTAL' section is also present.

DELIVERY NOTE		DATE
FROM   Lamolin Zulu 204 Matimba Street Muthanga Village, Free State 082 000 5000 Vendor: 204000		01-Jan-12
To   Ariani Glass Packaging P/B Lid Clayville Factory 11 Lake Rd Ollantsoke 011 682 5200		
DESCRIPTION		
MIXED	X	30 bags
TOTAL		30 bags
Faber Transport XYZ 447 CP Driesdriehoek 013 000 1000		

Example of a delivery note



All deliveries or collections must have a delivery note from the collector/supplier

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# Cullet delivery Procedure

- ➔ Deliveries must be accompanied by a delivery note which has the following details:
  - Vendor number
  - Specification of load (e.g. mix, flint, amber, green, sorted)
  - If cullet is supplied in bags, the number of bags loaded need to be specified on the delivery note.
- ➔ All bag trucks arriving at Ardagh Glass Packaging must report to the weighbridge office for the weighbridge operators to capture the required details on the control register.
- ➔ A Receipt Confirmation slip will be issued before the driver leaves the weighbridge office and must be signed by the Cullet Yard operators.
- ➔ Once the truck has been weighed it will move to the Cullet Yard.
- ➔ Deliveries are to specified bunkers and instructions must be strictly followed.
- ➔ Bags are offloaded in a queuing system and no preference is given.
- ➔ Flatbed trucks must provide people to offload their own vehicles. Ardagh Glass Packaging cannot supply equipment to offload due to safety hazards.
- ➔ Any cullet with unwanted foreign material will be put on hold for further inspection.
- ➔ Penalties will be imposed on loads with foreign material, such as glass that is not accepted, stones, sand and steel.
- ➔ Cullet with excess foreign material will be rejected and either deposited into the Ardagh Glass Packaging waste bunker or loaded back onto the delivery vehicle for removal.
- ➔ At any given time, vehicles may be diverted to Clayville Logistics Park where vendors will be expected to comply with site procedures.
- ➔ In the event of any queries, the Logistics Coordinator can be contacted for assistance.



## All vendors/ suppliers need to adhere to Ardagh Glass Packaging procedures and safety regulations:

- If a person tests positive for **alcohol consumption**, he/she will not be allowed to enter the premises.
- **No vehicles** with excess oil/hydraulic or diesel leaks will be permitted to enter the premises.
- All vendors/suppliers delivering cullet must wear the required **personal protective equipment (PPE)**, such as safety boots, long pants, gloves and goggles.
- Traveling speed for all vehicles on AGP facilities is **15 km/h**.
- No drivers or assistants are allowed to **leave their vehicles or walk around** the facilities unattended.

## Cullet delivery times

### **Ardagh's Clayville factory will receive cullet at the following times:**

Weekdays: 06h00 – 18h00

Saturdays: 06h00 – 16h00

Sundays and public holidays: 06h00 – 14h00

*Closed: Good Friday, Christmas Day and New Year's Day*

### **Ardagh's Bellville factory will receive cullet at the following times:**

Weekdays: 07h00 to 16h30

*Closed on weekends and public holidays.*



## Important numbers:

**Ardagh Glass Packaging**  
South Africa Recycling Division  
0861 285 538

**The Glass Recycling Company**  
0861 245 277

**Distell** (returnable)  
011 821 8000

**Collect-a-Can**  
011 466 2939

**MPACT** (paper)  
011 538 – 8600

**PETCO** (PET plastic)  
0860 147 738