



Typical items we accept:

- Upvc windows/frames
- Pipes/ductwork
- Flooring/wall coverings
- Packaging
- Insulation
- Plastic bags
- Film
- Plastic bottles/caps/lids
- Pots/containers/trays/cartons

Plastic is a valuable, finite resource and environmentally the optimum use for most plastic is to be recycled – preferably into a product that can be recycled again and again. Recycling plastic into end applications that displaces virgin plastics can save on average 2 tonnes of CO2 for every tonne of plastic recycled. There is a wide range of markets and increasingly these include full closed loop options. Hard plastics are becoming much more viable to recycle as there is increasing investment in polymer segregation technology combined with greater demand for sustainable manufacturing.

The UK uses over 5 million tonnes of plastic each year; an estimated 29% is currently being recovered or recycled. The UK has a plastic packaging recycling target of 57% by 2020. It is vital that the importance of recycling all valuable streams of waste plastics is recognised across construction, manufacturing and retail sectors as a key way to save costs and reduce organisation environmental impacts.

OUR PLASTIC RECYCLING SOLUTION

At our Material Recycling Facilities (MRFs) all plastic waste is manually and mechanically segregated and re-sorted by its type. We have developed innovative closed loop recycling systems with our supply chain partners who process these products into Raw Material feedstock.

Either separated for bulky items or as a mixed recycling stream we provide a comprehensive and responsive collection service and would typically provide one or more of the following containers/systems on site for containment and bulking:

- Internal recycling containers
- Rolon/Off containers
- Wheeled containers
- Enclosed skips, balers or compactors

Alternatively we can accept plastics delivered directly to our Materials Recycling Facilities (MRFs).

A variety of techniques are used to remove contaminants using a series of cyclones and water baths. The material is then decontaminated by chemical solutions,

shredded or melted down, granulated, filtered and ground into powder-form or granules.

At this stage the products are either manufactured directly into end products such as drainage pipes, ducting, flooring, kerbstones, new plastic bags, plastic containers/packaging or pelletized feedstock.

Our digital data capture systems enable us to provide complete chain-of-custody reporting from collection to final destination. Electronic waste transfer notes are issued for all materials we manage in compliance with your Duty of Care obligations.

The McGrath Group is accredited to various trade bodies and accreditations including PAS 402:2013. We also operate an integrated management system which is certified against international standards OHSAS 18001 (Health & Safety), ISO 9001 (Quality) and ISO 14001 (Environmental) this ensures our products and services are supplied safely, consistently and sustainably.



KEY FACTS

EWC Codes:

02 01 04
07 02 03
17 02 03
15 01 02
20 01 39

Percentage we recycle:
100%

Relevant regulation:
The British Plastics Federation

Average CO2e saving per tonne recycled:
-0.34 tonnes (Defra)

