



Typical items we accept:

- Joists/beams
- Floorboards
- Doors and panelling
- Window/door frames
- Pallets and crates
- Shuttering and fencing
- Wooden furniture
- Chipboard and OSB
- Melamine/laminates
- All soft/hard woods

Wood waste is generated as part of the manufacturing process or when a wood product is disposed of. The Environmental Resources Management (ERM) estimated that the UK produces about 7.5 million tonnes of such waste wood annually, and yet only 16 – 20% of waste wood arising's are being reused, recycled or channelled for energy recovery through incineration. Wood waste can come from all kinds of sources such as construction/demolition projects and domestic, industrial, and commercial premises.

Construction and Demolition sites offer a rich source of waste timber contributing to 70% compared to furniture and fencing together accounting for 8%. Pallets, as used for transportation, account for a further 16% and may be reformed into another product such as MDF, chipboard or Wood Polymer Composite (WPC) which can be made with both recycled wood and plastic. The recycling of timber/wood began as an initiative against deforestation as it was discovered to have a negative impact on the global climate.

OUR TIMBER/WOOD RECYCLING SOLUTION

McGrath has developed a state-of-the-art timber recycling facility. Undamaged timber items are segregated by operatives for potential re-use with charity organisations. We work with a number of social enterprises that accept reclaimed timber items such as furniture.

All wood waste recycled at our Materials Recycling Facilities (MRFs) is subject to a stringent segregation process to ensure the highest quality end product. It is then loaded into industrial high performance shredders where it becomes a finer shredded material. Any contaminants like nails and hinges are removed by incorporated over bound magnets. The end product range varies in size and the vibrating screeners perform well in sorting out the different grades. Various sizes of the results are applied to different uses;

- Landscaping equine products
- Low quality grades are used as horticultural mulch, animal beddings or may be reformed into another product such as MDF, chipboard or wood polymer composite (WPC) which can be made with both recycled wood and plastic
- Contaminated timber products (i.e. painted) are processed to generate energy

Our timber recycling facility enables us to sort and reprocess wood products back into construction and refurbishment markets.

Examples of "added value" markets include manufacturers of landscaping products and equine surfaces, as well as producers of animal and poultry bedding. Some of the waste wood may also be made into wood chips for forest tracks, or wood pellets for surfaces of footpaths in parks.

There is also an emerging market for recycled wood chip as a form of renewable fuel. Recycled wood has a potential as a good bio-fuel, since it is drier than its alternative – sawmill chips.

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:

03 01 04
03 01 05
15 01 03
17 02 01
17 02 04
19 12 06
19 12 07
20 01 37
20 01 38

Percentage we recycle:
100%

Industry standard:
PAS 111 (Specification for processing waste wood)

Average CO2e saving per tonne recycled:
-6.27 tonnes (Defra)

