

How batteries are recycled



1. Used batteries can be sent for recycling by placing them in collection containers across the UK.

Companies like Valpak, in partnership with G & P Batteries, collect these boxes and take the batteries away for recycling.

2. Sorting batteries before recycling helps the recycling process. This is because batteries are made from many different chemistries such as lithium-ion, zinc or nickel cadmium. Sorting batteries into their different chemistry types means more of the original material can be recovered to make new products.

3. There are different ways of recycling batteries but the aim is always the same – recovering the raw material used to make the battery so that it can be used again to make something new.

4. The table below describes some common battery types and the different ways the recovered materials can be used.

Battery Type	Battery Use	Recovered Material	Potential Uses
Lead Acid Batteries	Cars, forklifts	Lead	Lead acid batteries
		Polypropylene	Battery cases + others products
		Gypsum (from the acid)	Agriculture and other industries (filler for plasterboard and washing powder).
Nickel Cadmium	Power tools	Nickel	Metal plating
		Steel	Steel Industry
		Cadmium	Batteries – restricted use
Zinc-based Batteries	Domestic	Steel	Steel Industry
		Zinc	Many Industrial Applications
		Manganese	Many Industrial Applications
Nickel Metal Hydride	Mobile phones	Nickel	Steel Industry
		Steel	Steel Industry
Lithium Ion	Laptops	Cobalt	Electronics, battery, paint manufacture
		Steel	Steel Industry

For more information visit:

www.recycle-more.co.uk/batteries

