

P2 TYRES



Tyres are made predominantly from rubber with an internal fine wire mesh for integrity. They are produced in various sizes for cars, motorbikes, trucks and plant. They may arise on demolition and refurbishment sites from maintenance of vehicles during projects, but are mostly left on site from previous owners or by fly tipping. Although rare, shredded tyres (crumb) may also be revealed as landscaping from a former use. Tyres and shredded tyres are not hazardous waste.

Tyres Plastic 16 01 03

WASTE STREAMS

DISPOSAL

Whole tyres and shredded tyres are banned from landfill, unless used for engineering purposes.

RECOVERY

Tyres and shredded tyres may be used to fuel cement kilns or energy recovery plant.

RECYCLE

Tyres and shredded tyres may be recycled into products such as flooring, road surfaces, furniture and shoes.

RECLAIM

Tyres may be reused as a tyre again by being re-moulded as re-treads. Tyres may also be reused as tyre bales for landscaping or engineering purposes.

USAGE & PROBABLE LOCATIONS

Tyres are commonly used for vehicles. Used tyres or shredded tyres may have been used as landscaping material, playground features, play equipment, plant pots, highways, pavements, drainage fill material, equestrian surfaces, sports and safety surfaces or in tyre bales. Tyre bales may have been used for shoring, bunding, flood defences and landscaping. Tyres are also commonly found on derelict sites as fly-tipped materials.

PERSONAL PROTECTIVE EQUIPMENT

PPE requirements indicated are for guidance purposes only. DRIDS has identified the PPE that is mandatory on all demolition projects and ones that may be required subject to site specific Risk Assessment & Method Statement (RAMS).



REMOVAL, SEGREGATION & STORAGE

Whole tyres that are destined for reuse or remoulds should be segregated and stored safely as flat or interlocked bundles to prevent movement. They should also be stored away from plant movements to prevent splash damage. Tyres or shredded tyres destined for recycling or energy recovery need less protection and should be stored in a separate recycling skip. There is little need to store tyres under cover as they are robust against weather. Ensure the company removing tyres is properly licensed to do so - enquire through the Environment Agency Public Register or Tyre Recovery Association.

TOOLS

360 plant and attachments, front loader, dumper truck, crane, lifting chains.

FIXTURES, FITTINGS & CONNECTIONS

Tyres are rarely fixed in place and do not have fittings or connections. They may be fitted to a metal wheel, but will mostly be found entwined with vegetation or mixed with other fly-tipped materials.

HEALTH & SAFETY

Subject to task-specific Risk Assessment & Method Statement (RAMS). Use correct protective equipment. Wear gloves to handle tyres to prevent irritation, cuts and abrasion. Wear eye protection when using hand tools. Only use 360 plant, attachments, front loader or dumper trucks if properly trained. Tyres may contain residues of hazardous materials if they have been fly-tipped.

FURTHER READING

Demolition Code of Practice
Tyre Recovery Association
Environment Agency Public Register
WRAP Tyres Reuse & Recycling
Tyres Recycling
Tyre Shredders & Recyclers
20 Uses for Reused Tyres

TRAINING

Manual Handling
Safe Use of Hand Tools
Safe Use of 360 Plant and Attachments