What does Tirec Ltd do?

We are a well-established business in the West Midlands with several year’s experience of processing end-of-life automotive tyres. We have a number of blue chip corporate clients including various equine surfaces contractors.

We collect and have end-of-life tyres delivered to us from all over the country, however, our particular focus is upon the Midlands area. All of the tyres we process are end-of-life and would otherwise be disposed of as waste in landfill or burnt. Ours is an environmentally concerned business.

We have a variety of specialised machinery that we use to:
* De-bead lorry tyres so that they can be baled or turned into shred and then crumb.
* Bale tyres into blocks measuring about 1.3m x 1.5m in plan, and between 0.6m and 0.9m in depth. These blocks are secured with steel wires, which allows them to be moved and stacked by fork truck without the need for a pallet.
* Shred whole tyres.
* Reduce that shred through a process train to produce rubber crumb sized between 8mm and 50mm to meet the requirements of the client. This processing also removes 99% of the steel from the tyre, another material that is recycled and sold to the scrap metal industry.
* Remove the rims from tyres, which are then sold to the scrap metal industry.

APPLICATIONS

* Automotive vehicle tyres are processed into bales, shred and crumb.
* Once lorry tyres and agricultural tyres have been de-beaded they are processed into bales.
* Bales are used:
  * Burning in industrial furnaces to produce power for other processes
  * In a variety of civil engineering applications such as laying temporary roads over soft ground, constructing banks and stabilising earth works, preventing coastal erosion, constructing retaining structures etc.
  * In urban drainage systems as land drainage, storage of rainwater, flood alleviation, and storm water control.
  * Rubber chip is used in a variety of equestrian surfaces and other leisure industry applications.
* Rubber crumb is also used as:
  * Tyre Derived Fuel for burning in industrial furnaces
  * Fuel for industrial cement production
  * Construction
  * Civil engineering
  * Reconstituted rubber products

* There are a number of exciting business developments currently underway such as tyre wire reinforced cement, branded footwear, gym equipment and the construction of boards and construction materials with similar properties and improved characteristics to those of wood.

Keep updated through our newsletter!

For further information please:
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