Sustainable Fuels



Solid Recovered Fuel (SRF)



Solid Recovered Fuel is predominately produced from Mechanical Biological Treatment and residues from Material Recycling Facilities (MRF).

SRF is a high quality alternative to fossil fuel produced from commercial waste including paper, card, wood, textiles and plastic. It can be produced to a range of specifications to meet customer requirements.

Solid recovered fuel is produced using mainly commercial waste with additional processing to improve quality and value. After initial sorting, the material is shredded, passed through a trommel (a cylindrical screening unit that separates material by rotation), picked over by hand and then shredded again. The resulting material is then blended with other materials to increase the calorific value. The resulting product, which can be produced to a range of specifications depending on the requirements of the customer, is used to generate energy at recovery facilities and cement kilns in Europe and the UK, reducing the reliance on fossil fuels.

With moisture content of less than 15 per cent, solid recovered fuel has a high calorific value and is used in facilities such as cement kilns.

SRF provides a genuine zero to landfill option or residual waste material. There are many industries where the SRF could be used, one being the manufacturing of cement where the final residues of ash are used within the final product.

Refuse Derived Fuel (RDF)



Refuse Derived Fuel is produced via a range of technologies including Mechanical Recycling Facility (MRF) residues or Mechanical Biological Treatment (MBT).

RDF is made from domestic waste, which includes biodegradable material as well as plastics, and has a lower calorific value than solid recovered fuel. Refuse derived fuel is used in combined heat and power facilities, many of them in Europe where they produce electricity and hot water for communal heating systems in the local area.

RDF represents a significant environmental benefit cutting the production of methane and other greenhouse gasses. Compared to landfilling, the lower carbon emissions resulting from this approach to processing waste far outweigh the emissions associated with transporting the reclaimed fuel. The team at Broad Fuels has built an established network of facilities and ports to supply this material to customers both in the UK and in Europe. We are experienced in the production, transport and testing of these products and have the ability to tailor these products to individual customer needs.

The result is that whilst material is now travelling further to reach developing markets, this is off set by lower gate fees driven by greater capacity.











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