



**FIBERLINE**  
BUILDING PROFILES

 **Composite Recycling**

**CompoCycle**

# FIBERLINE WASTE MANAGEMENT

Fibre reinforced polymers (composites) have a documented long life span of more than 50 years without any perceptible loss of the functional properties. This means that more and more applications gain access – during the last few years particularly to the construction industry. This has resulted in a development of further applications and recycling solutions for superannuated GRP profiles.

Since 2010 Fiberline has been affiliated to the European recycling scheme CompoCycle, a co-operation between Zajons Logistik and Holcim AG Geocycle, who handle all forms of fibre reinforced plastics (FRP).

## **Saving potential:**

When recycling one thousand tonnes of Fiberline profiles in cement manufacture you save:

- 450 tonnes of coal
- 200 tonnes of chalk
- 200 tonnes of sand
- 150 tonnes of aluminium oxide

No dust, ash or other by-products are formed in the process.

Ref.: Holcim AG, 2010

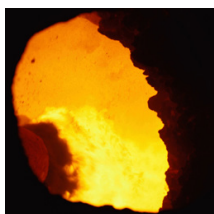
## **The concept of CompoCycle:**

When producing on the production lines at Fiberline, all residual waste is collected on pallets or in containers and carried to Zajons Logistik in Germany for further processing.

## **The 3 stages of the concept:**



A grinding mill at the plant reduces the composite to granulate



The calorific value of the granulate is adjusted by blending with other recycled materials in a patented process



The finished product is used as a substitute fuel and raw material at cement plants