



Extending the useful life of a product is a fundamental responsibility of any product designer, as long as it's not at an unnecessary cost to the environment. At BSB we continually assess the design of our shelters and canopies in consultation with our customers and suppliers.

Like most manufacturers, we use mild steel for the supporting framework of our canopies. Mild steel has excellent structural properties and can be easily formed and machined to meet the customers' design requirements. There are of course other materials such as stainless steel and aluminium but these can't match mild steel for affordability and the flexibility of manufacture.

To ensure a long lifespan, mild steel must be treated to inhibit corrosion.

For many years the accepted treatment method has been **galvanising**, a hazardous process in which bare metal is dipped into a bath of molten zinc at high temperature. Acid or ammonia is then used to clean the coated metal before it can be painted.

Not surprisingly, there are now serious environmental concerns about this process and especially the leaching of zinc into groundwater with the resulting toxic effects if it enters the food chain.

BSB, therefore does not use galvanising in the manufacturing process. In line with best practice, our steel frames are sprayed with 'Kephos 253' which requires no high temperature, hazardous materials or any dangerous preparation prior to painting.

Kephos 253 contains none of the unpleasant substances which are now the cause of so much concern. Neither does it expose our staff to unnecessary hazards and health risks.

We believe that an environmentally friendly and long lasting product, made according to up-to-date manufacturing standards, is best for our customers.