

## Cast iron

### Properties

Cast iron has a high carbon content and a low melting point. Due to its durability, it has been used for everything from pots to bridges. When casting the iron, decorative and functional designs can be achieved, such as writing or relief. Cast iron is close to impervious to weather and therefore has a very long shelf life.

Our cast iron products are either untreated, hot-dip galvanised or powder-coated. Untreated cast iron products quickly form a rust layer on the surface, which acts as a barrier against the oxygen and moisture in the air. Therefore, the rust layer protects against further corrosion.

Because cast iron is porous, cast iron products can be more easily damaged than steel products by impact, collision and the like.

Regular cleaning is necessary since galvanised, powder coated and untreated cast iron is affected by e.g. road salt and industrial air.

Cast iron parts can have a lifespan of at least 50 years.

### Operation and maintenance

#### *Cleaning*

- Untreated: Wash with water and a mild detergent every 3-12 months
- Powder coated: See Powder-coated
- Hot-dip galvanised: See Hot-dip galvanised steel

#### *Damage*

Damage to the powder coating on cast iron can initiate rust in the underlying iron. The rust will spread and eventually cause more and more paint to peel off. Therefore treat damage to the paint as described under Powder coating.