



Railings

GRP railings meet the requirements for high mechanical stability and at the same time are resistant to many chemicals and corrosion. They are also electrically non-conductive and easy to install. The GRP railings we manufacture typically comply with DIN EN ISO 14122.

High quality

We can provide a verifiable structural analysis prepared by an independent structural engineering office for our GRP railings. If it is to become a more complicated GRP railing, we can also provide a finite element analysis to demonstrate the operational capability of the GRP railing.



GRP railing in a cooling tower facility

GRP in the chemical industry

- Resistance in corrosive environments
- Machining and installation without flying sparks
- Resistance to weathering
- Low thermal conductivity
- Electrical insulation
- High strength with low weight
- Cost-effective in transport and handling
- Easy adjustment on site



GRP detachable railing

In this GRP detachable railing, the GRP posts were attached laterally on the edge of the concrete by means of stainless steel cap profiles. This enables individual railing segments to be removed again if required.



Ladder entry

This entry area in a GRP vertical ladder is also equipped with a GRP railing which incorporates a self-closing hinged door.



GRP railing

The GRP railing of glass-fibre-reinforced plastic is available in yellow or grey. Other colours are possible for an appropriate the railing length. GRP profiles with an iso-polyester resin matrix are typically used. However, vinyl ester resin with higher chemical resistance is also an option.



Special situations

We are happy to design and manufacture solutions with you for special situations, such as bypassing this large concrete buttress.



Handrail

The GRP handrail is typically manufactured continuously. In this case, thermally induced changes in the length of the railing are taken into account and compensated. We achieve higher mechanical stability of the railing because the individual profile segments are not butted on the GRP posts but rather between the posts.



Special railings

This special railing was manufactured to ensure safe maintenance of the pump unit.