



Repair and maintenance of  
painted steel structures

## Repair and maintenance of painted steel structures

To ensure optimum effect of the surface treatment, regular controls and maintenance are required, as necessary. Find advice and instructions here. Should you have additional queries, please do not hesitate to contact us.

### Sandblast and hot-dip galvanised steel

#### **Maintenance**

To ensure optimum effect of the surface treatment, regular controls and maintenance are required, as necessary. The first control must be undertaken after approximately one year. Then we recommend controls at least every other year, depending on the result of the first control.

The control should include a visual inspection of the surface and registration of the following points:

- 1: Blisters in the paint
- 2: Damage in the paint
- 3: Corrosive attacks, if any

Based on the control, the maintenance need and the time of the next control will be determined.

Depending on the degree of corrosion the structures are exposed to, the need to repaint the entire structure should also be assessed after 8 - 10 years.

#### **Spot repairs**

Maintenance paint is implemented as spot repairs when the degree of rust has increased to Ri 1-Ri 3 (see ISO 4628-3:1982). Scrape flaking paint and damaged areas. The areas are then shot blasted or steel brushed, including a few centimetres on to the undamaged area. Paint with the system's primer and topcoat to the original film thickness. If you prefer an even surface for reasons of appearance, a final topcoat can be applied to the entire surface. However, this requires that the entire intact surface must be cleaned of oil, grease and dirt and then matted before painting.

#### **Repaint**

Maintenance paint is implemented as a complete repaint when the degree of rust of the entire surface has increased to Ri 4-Ri 5. Sandblast the entire surface to a degree of Sa 2½. The repaint is implemented as a new paint. The zinc layer can be repaired with Temazink 99 after sandblasting, if any, to clean steel.

#### **Comments**

See the technical data sheets for the individual products.

We hope this information is sufficient. Otherwise we are available with additional information.