No chance for rust and stone impact. Optimum corrosion protection for all BPW components.

Running gear from BPW offers robust technology for a long vehicle life. An important quality feature of our products is cataphoretic dip-coating with zinc-phosphating (KTL_{Zn}). This is a special surface finish that provides 5 times more effective corrosion protection than conventional painting processes. Thin layer corrosion protection processes such as Dacromet® and Geomet®, as well as chromated surface protection systems, can withstand even the hardest stone impacts.

Cataphoretic dip-coating with zinc-phosphating (KTL_{Zn}) provides a deep shield and meets the most exacting requirements for corrosion protection. For example, KTL_{Zn} coating BPW components can withstand a 504-hour salt-spray mist test without any problems. BPW is also the first choice when it comes to thin-film corrosion protection processes: As well as using the familiar, tried-and-tested Dacromet® coating containing chrome VI, BPW is already adopting the EU end-of-life vehicle directive 2000/53/EC (which is at present only mandatory for vehicles up to 3.5 tonne gross weight rating) and is in some cases using chrome VI-free coating systems (e.g. Geomet®) instead of the previous systems containing chrome VI. These systems can be disposed of in an environmentally friendly and non-hazardous manner. The result is convincing in all respects: Corrosion, cleaning chemicals and even stone impacts don't stand a chance. And the components are ready to be installed without requiring further painting.

The computer-controlled BPW cataphoretic dip-coating and zinc-phosphating plant represents the cutting edge in the application of corrosion protection in car production and sets the global standard for coating quality in trailer chassis and suspension systems.

! BPW surface treatment – Features and benefits

- Wide-area corrosion protection, even on inaccessible points such as in cavities (5 times better than conventional primers and topcoat paints)
- Minimum rust creepage, e.g. after surface damage by stone or chipping strikes
- High chemical resistance, e.g. when high-pressure cleaners are used with detergent additives
- Longer service life of the entire BPW chassis
- Outstanding look: Surfaces without drips or runs and with an even coat thickness
- No further topcoat required. Where there are individual requirements for a particular lustre and colour, these finishes can be painted over using inexpensive topcoat systems without pre-treatment
- Hard surface: Less transport and installation damage
- Easier maintenance and repair procedures
- Fewer downtimes
- High resistance to heat
- Environmentally friendly coating process: No liberation of polluting substances