ERHARD EPC High-performance anti-corrosion protection
EPC – THE SECURE ANTI-CORROSION PROTECTION FOR ABRASIVE AND AGGRESSIVE MEDIA COMBINED WITH THE ADDED ADVANTAGES RUBBER-COATING CAN’T PROVIDE!

Costs under control
Life Cycle Costs are a consideration to modern methods of planning facilities on the use of the products. ERHARD as a reliable partner for valves and system solutions are therefore always enthusiastic to optimise customer’s benefits. This includes detailed concerted corrosion protection systems.

In addition to high-quality coatings such as EKB in GSK-quality or vitreous enamel, ERHARD supplies special solutions for varying applications.

With abrasive and corrosive media such as brackish water, sea water, sandy sewage or demineralised water a special protection for valves is necessary.

The ERHARD solution: EPC!
EPC – Epoxy-Polymer-Ceramic is a two-component coating based on a ceramic admixture.

The extremely high resistance to mechanical wear provides this high corrosion protection due to the embedded hard ceramic particles. This armour like protection owes it’s properties to a specially developed process by ERHARD, this coating can be applied as a long-term corrosion protection and is safe and stable. The precise preparation of metallic surfaces ensures excellent adhesion. All necessary design characteristics are consistent of the highest quality standard.
Proven technologies for new opportunities

EPC coated valves are used in the steel hydraulic engineering, hydroelectric power plants, sewage treatment plants, desalination plants, cooling circuits of power plants and in the chemical industry. Following the introduction of EPC ERHARD have seen an ever increasing demand for this superior corrosion protection.

Approvals for this superior corrosion protection by companies such as Siemens Power Generation, Balke-Dürr or Framatome prove that the benefits of EPC have the acceptance and approval of the industry.

Multiplex Advantages of EPC:

- High mechanical and chemical resistance
- Highest abrasion resistance
- Cost-savings due to long durability and a minimum of maintenance
- Repair touch up is easy, secure and stable
- More efficient than rubber-coating
- Resistant including to oil and fat media
- Tough, hard, high gloss and durable Surface
- Superior permanent water stability
- Outstanding adhesion on wet surfaces
- High water and vapour diffusion resistance
- Well-tolerated by cathodic corrosion protection as single-layer coating on steel
- surfaces. (cathodic disbonding)
- High adhesion to steel and cast iron surfaces
- Also usable by reconstructions of valves
- Ecological compatible by solvent
- Alternative for tar coatings

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EPC coating is available for a large variety of Valves. It can be used as an internal lining or as a total corrosion protection both inside and outside.

We are pleased to provide further details on EPC and it’s corrosion protection properties upon request.
TALIS is the undisputed Number One for water transport and water flow control. TALIS has the best solutions available in the fields of water and energy management as well as for industrial and communal applications. We have numerous products for comprehensive solutions for the whole water cycle – from hydrants, butterfly valves and knife gate valves through to needle valves. Our experience, innovative technology, global expertise and individual consultation processes form the basis for developing long-term solutions for the efficient treatment of the vitally important resource “water”.

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