

Blue Passivation

- Stable brilliant blue colour
- Universally applicable for all zinc processes
- Excellent corrosion resistance properties

► SurTec 661, SurTec 668

Chromiting

- Very high corrosion protection
- One process for all zinc types and zinc alloys
- Highly economical operation and best ecological footprint with rinse water recycling

► SurTec 680 and SurTec 680 LC

- Cold-working thick layer passivation
- For all zinc types and zinc/iron
- Economical alternative for plants without a rinse recirculation

► SurTec 684

- Cobalt-free passivation for all zinc types and zinc alloys
- Light, translucent to bluish finish on zinc/nickel
- Iridescent finish on zinc/iron and zinc
- Long lifetime due to low zinc abrasion

► SurTec 675-551

Black Chromiting

- Excellent corrosion resistance
- On unalloyed zinc layers

► SurTec 690 (rack), SurTec 691 (barrel)

- Cobalt-free passivation for zinc/nickel
- Applicable for rack and barrel plating
- Excellent black colour with outstanding corrosion resistance properties

► SurTec 697

High End Top Coat

- Develop to meet latest requirements in corrosion protection like cyclic corrosion tests
- Produce clear films, easy to strip

► SurTec 554

Universally Applicable Organic Sealer with Nanoparticles

- Highly bright clear film with excellent corrosion resistance
- Excellent heat resistance (24 h • 120 °C)
- Applicable for spray and immersion processes

► SurTec 555 S

Glide Wax, Sealer with Glide Wax

- Coefficient of Friction SurTec 522: 0,08-0,13 μ
- SurTec 556 RT: 0,10-0,15 μ
- Increases corrosion resistance
- Dry, smooth, uniform and colourless film
- Especially suited for torque parts

► SurTec 522, SurTec 556 RT

Matt Film

- Uniform, colourless and slightly matt film
- Reliably covers iridescence of passivation layers
- Reduces friction coefficient and increases corrosion resistance
- Dry to the touch and not tacky

► SurTec 523



Chemical Specialities for
Cathodic Corrosion Protection



Alkaline Bright Zinc Process

- Excellent metal distribution
- Low-stressed and completely blister-free
- Smooth zinc plating of strongly profiled parts
- Very high burning range, high current densities applicable
- Suited for rack as well as barrel plating with sodium or potassium electrolyte
- Special variants for matt zinc and high speed plating in reactors

▶ SurTec 704

Acid Bright Zinc Processes

- Bright and ductile zinc layers
- Excellent metal distribution, throwing and covering power
- Brightener is free from short-chain alcohol and therefore not inflammable with a low tendency to crystallise
- Suited for rack plating with air agitation or cathode movement and for barrel plating
- Tolerates high as well as low working temperatures
- Stable process, easy to passivate and relatively insensitive to drag-in or overdosage
- With the special additive NBA also suitable for non-boric-acid plating solutions

▶ SurTec 751, SurTec 759



Alkaline Zinc/Nickel Process

- Exceptionally stable plating solution with a very high life time
- Outstanding metal distribution and a high tolerance to burns
- Stable high current efficiency
- Modular additive system with variants for rack and barrel plating and for the deposition of very ductile layers that will meet highest corrosion resistance standards for parts prone to brittle fracture

▶ SurTec 717



Alkaline Zinc/Iron Process

- Excellent metal distribution
- Homogenous incorporation of iron
- Suited for rack as well as barrel plating with excellent metal distribution
- Outstanding throwing and covering power and suited for strongly profiled parts
- Degree of brightness adjustable as required

▶ SurTec 712

Application areas of SurTec Products:



Industrial Parts Cleaning



Metal Pre-treatment



Functional Electroplating



Decorative Electroplating



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