



AQUEOUS TOPCOATS



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Aesthetic and corrosion resistance are the most common and preferred term to the zinc plating industries. Lot of efforts are being imposed to improve both these aspects of zinc deposit to provide extended durability to the deposited coatings, in turn offering more value for money to the user's. Growel takes the privilege to introduce an wide range of post passivation aqueous topcoats to offer 'Total technology solution' to the industry.

Growel's specially designed top-coat 'seals' the pores and cracks which develops either in the basic zinc deposit or in the passivated layer enhancing the corrosion protection to the basic deposited coating. Aqueous post passivation top coats are of two types. Reactive top coats ~ react with passivated zinc layers which form an inter-metallic layers providing more durable temper resistant coating. Non-reactive top coats ~ produce a transparent organic layer on passivated zinc deposit which on curing enhances corrosion protection.

REACTIVE TOPCOATS

ZINCASEAL / ZINCOSEALS

- Seals the pores and cracks by precipitating hard silicious polymer.
- Creates no dimensional damage towards the deposit
- Corrosion resistance of processed blue passivated components upto 100 hrs. (as per ASTM B117) is possible.
- Not suitable for black and olive passivated components.

ZINCOSEAL W

- Wax-emulsion system enhances corrosion resistance.
- Especially designed for fasteners, as it improves significant corrosion protection on threaded areas.

ZINCASEAL / ZINCOSEAL 600 / 605

- Unique inorganic resin in silicon binder provides 'non-flim' type inert and transparent coating.
- Enhances corrosion protection ~ even upto 250 hrs. resistance towards white rust as per ASTM B 117.

- Specially recommended for blue/iridescent type passivation on zinc and zinc alloys.
- Lubricated versions are available to influence the torque tension value of the deposits.

ZINCASEAL 601

- Multifunctional organic sealants for all types of passivated zinc & zinc alloys components to enhance corrosion protection.

GALRANOSEAL / ZINCOSEAL 490

- Organo-mineral sealing agent
- Lubricated version is also available to modify torque tension values.

ZINCASEAL 602 BLACK / ZINCROBLACK POST DIP

- Black pigmented sealers while applied on black passivated zinc & zinc alloys multifold the corrosion protection.

NON-REACTIVE TOPCOATS

AQUAGUARD 305

- Organic polymer significantly improves corrosion resistance.
- Suitably applicable on any type of passivation or any top-coats.

AQUAGUARD 302 / 500

- Chrome free mixed acrylic co-polymer significantly improves corrosion resistance.

AQUAGUARD 400

- Provides thin transparent protective film to provide ultimate corrosion protection.

- Based on organic polymeric resins with appx. 40% solids and suitable for application virtually on all type of passivation.
- Film becomes quite adherent and hard after being cross-linked through subsequent drying operation (Temperature 40-60°C).

AQUAGUARD 401/405

- Chrome free mixed ethylene co-polymer significantly improves corrosion resistance.

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