



Specialists in Anti-Corrosion Surface Treatments



DELTA SEAL / DELTA SEAL GZ DESCRIPTION

Colour:

Silver, Black, Red, Gold, Green, Light Blue, Dark Blue

Description:

Delta Seal is an organic microlayer topcoat composed of a highly cross-linked binder system and high quality pigments. The dry film contains no heavy metals such as cadmium, chromium or lead etc...

Delta Seal once cured provides an adhesive, thin, extremely resistant coating.

Delta Seal GZ has all the properties of Delta Seal but with a PTFE additive to ensure a controlled torque/tension relationship when used on threaded components.

Properties:

Delta Seal / Delta Seal GZ feature the following outstanding properties:

- excellent adhesion
- hardness combined with flexibility
- maximum abrasion strength
- Good electrical insulation (prevents contact corrosion)
- Chemical resistant (Acid & Alkali)
- Excellent Salt Spray resistance (When combined with a sacrificial base coat)
- Excellent Kesternich test resistant
- Excellent resistance against mineral oils, fuels, brake fluid etc.
- Delta Seal GZ co-efficient of friction (μ_{tot}): 0,09-0,14

As with all Delta Products they are applied non-electrolytically so removing the risk of hydrogen embrittlement. The low curing temperatures (180-200°C) practically excludes changes in the metallurgy of the parts treated. Delta Seal has an excellent penetration characteristics combined with very good substrate surface wetting properties, so that work pieces with complicated geometry e.g. Torsion spring, can be coated effectively.

Uses:

Delta Seals are used as a top coat for Delta Tone, Delta Protekt KL100, aluminum and electroplated finishes to greatly enhance protection.

Products processed in a basket by dip spin:

Bolts, nuts, dowels, clips, clamps, torsion springs, small castings, and small pressings as well other fixing elements used in the automotive industry, construction industry, and steel industry.

Products processed on jigs by Spray:

Large workpieces such as stampings and pressings, large compression springs, chain, and guide rails, fixing plates, trailer couplings.

Degreasing:

The entire well known processes can be used that have no detrimental effect on the parts may be used.

Scale/rust:

All well known chemical pickling processes as well as shotblasting processes using suitable abrasives may be adopted unless they are detrimental to the parts in question.

Zn-Phosphating:

Delta Seals can be applied directly onto Zinc Phosphate.

Coating weight / thickness:

The protective effect of Delta Seal increases with the number of coats added.

To obtain a closed uniform coating a minimum of 5µ with a dry coat weight of 9g/m² is required.