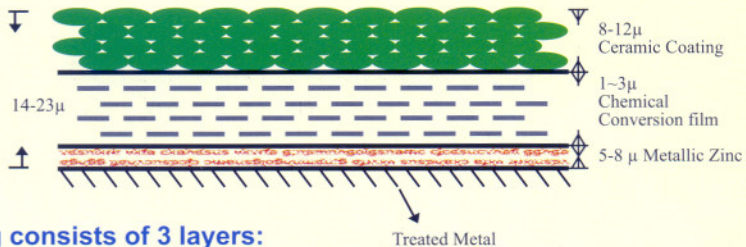


# Ruspert Coating

## Fastener Coatings cross-section



### Ruspert coating consists of 3 layers:

- 1st layer is metallic zinc protecting the metal.
- 2nd layer is a chemical conversion film.
- 3rd layer is the baked ceramic coating.

The thin chemical conversion film strongly bonds to the ceramic topcoat by cross linkage and also tightly adheres to the metallic zinc via chemical reactions. This unique layer – combination is resistant to any corrosion.

1. High resistance to salt water and many chemicals; weather changes, etc.
2. Baking temperatures up to 200°C and chemical properties of treated products remain unchanged.
3. Inexpensive treatment costs and no wastage, yet enabling usage of high quality ceramic material
4. Superior resistance to corrosive gases. (Kesternich test)
5. Absence of corrosion even when in contact with other metals. (Galvanic corrosion).
6. Tight adhesion to intricate contours.

## TUFCOTE

Tufcote is utilizing a new technique called Electrophoresis, which is widely used in Auto Industry like Mercedes, Ford, GM ... etc. It outperforms all other existing coating techniques in terms of metal protection.

Tufcote took 6 years in R&D applying this new technique to fit the Fastener Industry.

Tufcote has three layers of protection for the fastener, each layer will contribute to a substantial corrosion protection to the fastener even after use.

Two base coats alone in the Tufcote can deliver a min. of 1000 hrs in SST. The top coat of Tufcote is a PU modified Epoxy resin for its environmental (moisture and acid) inert for further protection to the fastener.

The characteristics of Tufcote can be outlined as follows:

1. Superior Adhesion : even when the coating is damaged, it will not peel off from surrounding of the wounds.
2. Salt Spray Test : min. 1500 hrs & up
3. Kesternich Test (2L) : min. 15 cycles without red rust.
4. Chemical inert : can resist most of common chemical solvents, household bleach & detergents.

we can offer two colors in Tufcote, Silver Grey and Army Green at this moment.