



CUSTOM MADE GATES PRE TREATMENT SELECTION FORM

The selection of a pre treatment process for your gates, posts and panels is very much personal choice. There are a number of factors that influence this choice including site and environmental conditions, product aesthetics, product life expectancy and of course budget. As a general guide it is reasonable to expect that the greater the level of protection through pre treatment the lower the maintenance level. Corrosion however is inevitable and there is no such thing as maintenance free. Below is a list of options, a brief outline of the option and a cost for this option on your order.

ZINC TREATMENT & POWDER COATING COST - \$

This is a widely used method for many steel products. The raw steel is pre treated before cutting and welding. This steel is usually referred to as Galtube, Galvbond or Duragal steel. Essentially this is steel that has a zinc coating applied at the steel mill during manufacturing. The cut edges and welded joints however are raw and this is where the "zinc treatment" is applied before the powder coating and baking. This method is suitable for low risk areas that are not too close to a salt water environment or an industrial environment.

ZINCSHEILD & POWDER COATING COST - \$

This method provides a higher degree of protection. The raw steel is pre treated before cutting and welding. This steel is usually referred to as Galtube, Galvbond or Duragal steel. Essentially this is steel that has a zinc coating applied at the steel mill during manufacturing. When complete the finished steel product is coated entirely in a product called Zincshield and then baked in an oven before the powder coating is applied followed by a second bake in the oven. Zincshield is a high zinc containing primer specifically formulated and designed for powder coating applications. Zincshield may be used with confidence on steel substrates as it protects steel from corrosion whilst providing a sound substrate for powder coating.

Zincshield is excellent for use where corrosion inhibition is required.

Zincshield is partially cured on the metal surface and then the desired top coat finish is applied. This two coat system is then co-baked to a full cure to ensure maximum polymer interaction and excellent intercoat adhesion.

HOT DIP GALVANISING COST - \$

HOT DIP GALVANISING AND POWDER COATING COST - \$

Hot-dip galvanising is the process of coating steel with a thin zinc layer, by passing the metal through a molten bath of zinc at a temperature of around 460°C. When exposed to the atmosphere, the pure zinc reacts with oxygen to form zinc oxide, which further reacts with carbon dioxide to form zinc carbonate, a usually dull grey, fairly strong material that stops corrosion, protecting the steel below from the elements. Galvanised steel is widely used in applications where rust resistance is needed, and can be identified by the crystallization patterning on the surface (often called a "spangle"). Hot dip galvanised products are often left "raw" and without any top coat. It is possible to powder coat over the top of hot dip galvanising but it must be acknowledged that the "spangle" effect is magnified by the powder coat layer.

CUSTOMER NAME - DATE -

COLOR - CUSTOMER SIGNATURE -