



# TECHNICAL INFORMATION POWDERGALV® PLUS

## PRODUCT DESCRIPTION

This is a Licensed process of coating raw steel with Hot Dipped Galvanized to meet ASTM 123/A, NSF/ANSI 61 tested and certified epoxy powder mid coat, and polyester TGIC-free powder topcoat. It is designed for environments needing high performance anti-corrosion properties with good mechanical and chemical performance.

Colors available are Semi-Gloss black.

Many applications, including:

- Light Poles
- Utility Poles
- Fencing
- Railings
- Water Parks
- Cooling Towers
- Structural Steel Projects

### **Notes:**

POWDERGALV® can only be applied by trained licensed companies. It is a coating process that specific procedures and equipment is necessary to accomplish.

## APPLICATION

Film Thickness Range (mils.): 16-25

## PERFORMANCE

### **60 Gloss (Immersion 168 Hours)**

#### **(ASTM D-523)**

- Sodium Chloride (10%)  
Loss .2 Degree
- Sulfuric Acid (10%)  
Loss .4 Degree
- Mineral Spirits (18%)  
Loss 5.2 Degree

### **Adhesion**

#### **(ASTM D-4541)**

- QUVA G154 250 hours  
No Loss Adhesion
- Salt Spray 1440 hours  
2.9 MPA (No Loss Adhesion,  
fixed alignment, Method B)
- Humidity 1440 hours  
5 MPA (No Loss Adhesion,  
fixed alignment, Method B)

### **Creepage**

#### **(ASTM D-1654)**

- Salt spray 1500 hours  
Rating 10 (No creep from  
scribe)
- Humidity 720 hours  
No creep from scribe

### Pencil Hardness (Immersion 168 Hours)

#### (ASTM D-3363)

- Sodium Chloride (10%)  
2H
- Sulfuric Acid (10%)  
H
- Mineral Spirits (18%)  
2H
- Sodium Hydroxide (10%)  
2H

### Adhesion (Immersion 168 Hours)

#### (ASTM D-3353)

- Sodium Chloride (10%)  
5B
- Sulfuric Acid (10%)  
5B
- Mineral Spirits (18%)  
5B
- Sodium Hydroxide (10%)  
5B

### Degree of Blistering

#### (ASTM D-714)

- Salt Spray 8000 hours  
No Blisters

### Degree of Rusting

#### (ASTM D-610)

- Salt Spray 8000 hours  
Grade 10 No Rust

### Abrasion Wheel

#### (ASTM D-4060)

- 1800 cycles  
Loss .4 (abrasion resistance  
CS10 Wheel 1000 gr)

### Gravelometer

#### (ASTM D-3170)

- Rating 8 (14 chips)
- Rating A (>1mm)

**This product has been tested and met ISO 12944-6 C5M.**

#### **Notes:**

Performance measured using 12-gauge test panels

#### **Notes:**

Technical Data are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Data sheet for the project being used. The information rating and opinions stated above pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variation in customer handling and field applications, which are not known, or under our control, the POWDERGALV® process cannot make any warranties or guarantees as to the end results.