



# Paint Academy Tutorial 24

## Painting Steel Carports and Security Bars

### **DETERMINING YOUR PRODUCT REQUIREMENT:**

- Measure area to which paint is to be applied.
- Depending on surface to which the product is to be applied, determine which products are needed. (Refer to Product Specifier Tool)
- Check the Theoretical Spread Rates (TSR) on each of the specified products and see how many coats of each are recommended, then calculate what quantities of each product you will require, remembering to make adjustments for the porosity of each surface. TSRs are based on products applied to smooth, sealed surfaces. (e.g. an unsealed scratch plaster surface will absorb more paint than a sealed smooth one, so allow for a lower spread rate).
- Check out the specifications on all the top coat choices (referring to the relevant data sheets) and decide which is right for you.

### **IF RAW MILD STEEL**

#### **Surface Preparation**

##### **Mild Steel (New)**

1. Remove all grease and oil.
2. Sand or shot blast all steel back to bright metal (removing all mill scale and rust). Remove all sanding dust.

#### **Application Method**

1. Apply 2 coats AllPrime to exposed mild steel only. Allow to dry between coats.
2. Apply 1 coat of Paintcors Unisub Universal Undercoat. Allow to dry. Unisub is only necessary when finishing in the colour white or a very light colour.
3. Finally apply 2 top coats of your choice. Elegance or Envirocoat (water based) ,HiGlo , LoGlo or Enduracoat ( solvent based)

##### **New Galvanized Iron**

#### **Surface Preparation**

1. Degrease the new galvanising and rinse well. Allow to dry
2. Remove all white rust (if present) buy washing with spirit vinegar. Rinse well and allow to dry.

#### **Application Method**

1. Apply 1 coat of Allprime to all sheeting to be painted. Allow to dry
2. Apply 2 top coats of your choice.( Ruvacryl, Envirocoat, Enamel or Elegance) Allow to dry between coats

## IF PREVIOUSLY PAINTED

### Surface Preparation

#### Mild Steel

1. Remove all loose peeling paint.
2. Wash old paint to remove all dirt and dust. Allow to dry.
3. Where paint has been removed back to bare metal, sand metal to a bright finish, and sand edges of scar to zero.
4. If finished in an enamel then sand the enamel to a clean matt finish. Remove sanding dust.

### Application Method

1. Apply 2 coats AllPrime to exposed mild steel only. Allow to dry between coats.
2. Apply 1 coat of Paintcors Unisub Universal Undercoat to primed areas only. Allow to dry. Unisub is only necessary when finishing in the colour white or a very light colour.
3. Finally apply 2 top coats of your choice. Elegance or Envirocoat (water based) ,HiGlo , LoGlo or Enduracoat ( solvent based)

#### Galvanized Iron

### Surface Preparation

1. Remove all loose peeling paint.
2. Wash old paint down to remove all dirt and dust. Allow to dry.
3. If there is rust on the exposed galvanizing then sand the rust back to bright metal. Remove sanding dust

### Application Method

1. Apply 1 coat of AllPrime to exposed galvanized iron where there was no rust and 2 coats Allprime where rust was evident. Allow to dry between coats.
2. Finally apply 2 top coats of your choice. Ruvacryl, Elegance or Envirocoat (water based) ,HiGlo , LoGlo or Enduracoat Enamel ( Solvent based)

## Relevant Product Information

### AllPrime

Theoretical Spread Rate	Primed Steel: 12m <sup>2</sup> per litre
No. of Coats Required	Mild Steel: 2 coats Unrusted Galvanised Iron: 1 coat
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 30 minutes

### UniSub

Theoretical Spread Rate	8m <sup>2</sup> per litre
No. of Coats Required	1 Coat
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 1 hour Surface Dry @ 25°C – 5 hours Hard Dry

## Top Coats Choices

### HiGlo

Theoretical Spread Rate	10m <sup>2</sup> per litre
No. of Coats Required	1 – 2 Coats
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 2 hours Surface Dry @ 25°C – 7 hours Hard Dry

### LoGlo

Theoretical Spread Rate	10 - 15m <sup>2</sup> per litre
No. of Coats Required	1 – 2 Coats
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 2 hours Surface Dry @ 25°C – 7 hours Hard Dry

### Elegance (Matt or Glo)

Theoretical Spread Rate	8-10m <sup>2</sup> per litre
No. of Coats Required	2 Coats minimum
Application Method	Brush, Roller or Spray
Drying Time	@ 30°C – 25 minutes

### EnduraCoat

Theoretical Spread Rate	9m <sup>2</sup> per litre
No. of Coats Required	1 Coat
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 3 hours to Touch Dry

### EnviroCoat

Theoretical Spread Rate	10m <sup>2</sup> per litre
No. of Coats Required	1 - 2 Coats
Application Method	Brush, Roller or Spray
Drying Time	@ 25°C – 30 minutes