

E505 GP Enamel

General Purpose **Spraying Enamel**



FEATURES

E505 GP Enamel is a general purpose fast drying high gloss enamel that provides good protection in exterior situations in most industrial applications. The finish obtained is smooth and glossy and provides a hard wearing and durable finish when applied over suitably primed surfaces.

E505 GP Enamel is easy to apply and is available in a wide range of standard colours. Custom colours can be matched on request.

RECOMMENDED USES

E505 GP Enamel is designed to be applied to any surface that requires a hard wearing gloss enamel finish.

It is the ideal coating for use in the following:

- Storage drums
- Implements and machinery
- Agricultural machinery
- Trailers
- Garbage disposal containers
- Engineering equipment
- Sea Containers

SPECIFICATION DATA

Colour:	Standard AS2700 Colour Range.	Dry Film Thickness:	40 - 50µ DFT
Finish:	High Gloss	Wet Film Thickness:	130 - 160µ WFT
Density:	~1.04 g/cc ⁽¹⁾	Coverage:	7 - 8 m ² / litre @ 40µ DFT
Volume Solids:	~31% ⁽¹⁾	Number of Coats:	2 coats
Packaging:	20 and 200 litre	Touch Dry:	10 - 15 minutes @ 25°C
Application:	Air or airless spray	Dry to Handle:	2 - 3 hours
Thinner:	Thinner E243 or Mineral Turps	Dry to Recoat:	1 - 2 hours, or after 24 hours.
Cleanup:	Mineral Turps	Hard Dry:	8 hours @ 25°C
Storage:	Store under cool dry conditions away from heat and sources of ignition.		

⁽¹⁾ Based on E505 GP Enamel White

PERFORMANCE

Temperature Resistance:	Up to 90°C dry heat
Abrasion Resistance:	Good
Weatherability:	Fair / Good
Solvent Resistance:	Moderate / Good ⁽²⁾
Chemical Resistance:	Moderate; not resistant to strong acids or alkalis. Resists rain and condensation; not suitable for immersion.

⁽²⁾ Resists alcohols, mineral turps, and enamel thinners. Not resistant to Aromatic solvents, ketones, esters and chlorinated solvents.

DIRECTIONS FOR USE

Ensure all surfaces are clean, dry, and free from contamination.

E505 GP Enamel is best applied by conventional or airless spray. Add the appropriate amount of **Cameleon E243 Thinner** depending on the type of application equipment and environmental conditions. Typical conventional spray set up should have air pressures of Pot: 60 - 100 kPa (10 - 15 psi); Gun: 380 - 420 kPa (55 - 60 psi). Airless spray set up should have a 28:1 pump ratio and an air supply of 520 - 650 kPa (80 - 100 psi). Apply one mist coat, allow to flash off then apply one full coat. Recoat within 1 - 2 hours, or after 24 hours.

Cameleon E248 Enamel Additive may be added to enhance drying, hardness, chemical resistance, gloss and durability. Add at the rate of 250 mls per 4 litres of **E505 GP Enamel**.

Stir well and ensure colour is correct before use. Provide adequate natural ventilation during use. Wash equipment immediately after use with **Thinner E243** or **Mineral Turps**.

DO NOT apply if temperature is below 10°C or if relative humidity is >85%

Typical Specifications

Surface	Preparation	System	Dry Film Build
Steel	Ensure surface is clean, dry and free from grease, oil, or other surface contaminants. Abrasive blast to AS1627.4 class 2, or power tool clean to AS1627.2	1. Satinprime IP415 2. E505 GP Enamel	50µ 80 - 100µ ⁽³⁾
Aluminium, Zinc Alum or galvanised metals	Thoroughly scrub the surface to remove any white corrosion products and surface contamination (oil, grease etc). Prepare substrate to SSPC-SP-1.	1. Cametch VP628 2. E505 GP Enamel	15 - 20µ 80 - 100µ ⁽³⁾

⁽³⁾ Note: 2 coats at 40 - 50 µ DFT per coat recommended.

PRECAUTIONS

IMPORTANT! See the Safety Data Sheet (SDS) for health and safety information prior to use.

CAMELEON COATINGS

Manufacturers of a complete range of quality paints

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