

E468 Industrial Flooring Enamel



FEATURES

E468 Industrial Flooring Enamel is a premium quality, quick drying acrylic modified enamel specifically formulated for large concrete floor areas. It will dry to a smooth, hard and glossy finish. It can be applied to uncoated surfaces, and is particularly suited for application over previously painted areas that require re-coating. This includes previously painted metal surfaces. New metal needs to be prepared and primed prior to top coating.

Due to its unique solvent blend, **E468 Industrial Flooring Enamel** will not attack the previous coating, but will allow adhesion to the substrate. The acrylic modification ensures penetration and sealing of new or unprotected surfaces.

RECOMMENDED USES

E468 Industrial Flooring Enamel has been designed as a general purpose floor coating where medium to high foot traffic, and some vehicle traffic (such as cars and forklifts) is expected.

E468 Industrial Flooring Enamel is suitable for new concrete floors, previously coated concrete floors and for primed or previously coated metal.

Note:

E468 Industrial Flooring Enamel is not designed for heavy vehicle traffic, or if continually exposed to oils, grease or solvents. In these situations it is recommended that **Cameleon Campoxy EFT560 is used due to its superior solvent, chemical and abrasion resistance.*

SPECIFICATION DATA

Colour:	Standard Colours	Dry Film Thickness:	30 - 40µ DFT
Finish:	High Gloss	Wet Film Thickness:	100 - 130µ WFT
Density:	~1.04 g/cc ⁽¹⁾	Coverage:	8 - 10 m ² / litre @ 40µ DFT ⁽²⁾
Volume Solids:	~31% ⁽¹⁾	Number of Coats:	2 - 3 coats
Packaging:	4 and 20 litre	Touch Dry:	10 - 15 minutes @ 25°C
Application:	Brush, roller or spray	Normal Traffic:	Minimum 12 hours after final coat.
Thinner:	Thinner E243 or Mineral Turps	Hard Dry:	3 - 4 hours @ 25°C
Cleanup:	Mineral Turps	Storage:	Store under cool dry conditions away from heat and sources of ignition.

⁽¹⁾ Based on E468 Industrial Flooring White

⁽²⁾ Dependant on surface porosity

PERFORMANCE

Temperature Resistance:	Up to 90°C dry heat
Abrasion Resistance:	Good
Weatherability:	Good
Solvent Resistance:	Moderate / Good ⁽³⁾
Chemical Resistance:	Moderate; not resistant to strong acids or alkalis. Resists rain and condensation; not suitable for immersion.

⁽³⁾ Resists alcohols, mineral turps, and enamel thinners and oils. Strong solvents are likely to attack the film. Do not allow oils or solvents to stay in contact with the film for more than 10 minutes. Wipe off immediately.

DIRECTIONS FOR USE

IMPORTANT!

Unpainted Surfaces:

Bare concrete, if not new, will have dirt and contamination in the pores which will interfere with penetration of the coating. The surface should be thoroughly degreased - High pressure water washing with a water based degreaser is recommended. If there is a high level of grease or oil in the surface, scrubbing with a solvent based degreaser such as **Cameleon Wax and Grease Remove** is recommended. After the surface has been thoroughly cleaned, then acid etch as per Cameleon Coatings recommendation in [Surface Preparation](#) guidelines. New concrete floors may not need degreasing, but will still require acid etching. Unpainted metal surfaces should be abraded to remove surface rust then primed with Cameleon Metal Prime.

Previously Painted Surfaces:

If the original coating is loose or peeling then it should be completely removed prior to painting. The surface should be thoroughly cleaned and degreased as specified in "Unpainted Surfaces". If the existing coating is hard and non porous it should be thoroughly abraded by sanding to allow penetration of the **E468 Industrial Flooring Enamel**. Any bare or uncoated cement based areas should be acid etched. Allow the surface to dry for 48 hours prior to application. When the surface has dried, apply a small amount of mineral turps or **Cameleon E243 Thinner** to the surface to ensure that there is compatibility with the existing coating.

Previously Painted Metal should be sanded and cleaned. Any bare metal should be spot primed with Cameleon Metalprime. Metal surfaces generally require less film build and can be wet on wet applied, using thin coats with 5 minutes flash off time between coats. Check the original coating for compatibility prior to commencing.

Apply un-thinned, however 5 - 10% **Cameleon E243 Thinner** may be added to the first coat to aid application to particularly porous surfaces.

E468 Industrial Flooring Enamel is best applied by brush or roller as it will aid penetration into the substrate. The number of coats will depend on the surface porosity - generally 2 coats should be sufficient, however on highly porous surfaces a third coat may be required. Coverage will improve after the first coat has been applied, as it will have sealed the substrate. Apply at a rate of 8 - 10m²/litre. Application using spray is possible, using conventional, pressure pot or airless spray. Wet on wet application is possible when spraying, allowing 5 minutes flash time between coats. Do not apply high film build coats, rather multiple low film build coats.

The final coat should have a uniform sheen - If the appearance is still patchy then soakage has still occurred and a further coat will be required. Even application is important; avoid high builds as this will interfere with the drying process.

Ensure adequate ventilation during application and drying of the coating. Allow 3 - 4 hours drying time in normal conditions (25°C) prior to application of a further coat.

Allow at least 12 hours after the final coat before normal foot traffic is resumed. Avoid vehicle traffic or scraping with heavy implements for a further 48 hours.

DO NOT apply if temperature is below 10°C or above 38°C or if relative humidity is >85%

PRECAUTIONS

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

CAMELEON COATINGS

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