
Product Name: 2 Component Water Based Epoxy Finishes

Product Number: 60000 Range

Product Description: 2 component water based epoxy finishes for use where environmental concerns need to be considered, and where low VOC solvent based materials are not practical.

Used on a variety of substrates, including steel and aluminium; composites and some plastics.

Excellent resistance to chemicals, including tri-n-butyl phosphate (Skydrol) where resistance properties out-perform even solvent based alternatives.

Very low VOC content as mixed and at application (typically 54 gms/litre as mixed and thinned for application)

Current Colour Availability:

- Semi-matt Black: 60-9002 (LR 3037A)
- Gloss Mid Blue (RAL 5012): 60-5012-0
- Catalyst: 60-CAT

Other colours to order; please check availability with our sales office.

Approvals/Specifications: Under review to a variety of aerospace standards, including BS2X33; MIL-PRF-23377, and numerous client specifications

Performance: Used in aerospace and industrial applications in place of both high VOC and low VOC alternatives.

Skydrol Resistance: 1000 hours @70°C: no softening

Resistant to chemicals used within the aerospace to include engine oils; hydraulic oils; aviation fuel.

Components:

Base:	60000 Range
Catalyst:	60-CAT
Thinner:	Water

Application:

Surface Preparation:

Ensure substrates are clean and free from dust and dirt. Can be used over a variety of pre-treatment systems dependent upon substrate.

Paint Preparation:

Pre-mix base component with catalyst as per instructions on base component can. (For semi-matt black ratio is 4 parts base to 1 part catalyst by volume).

Stir thoroughly then thin above 5 parts with 3 parts water.

Allow 5 minutes induction time, then re-stir before application.

Application Method:

Apply by spray: latest generation advance guns recommended. Follow gun manufacturers recommendations regarding atomizing pressures etc.

Ensure all application equipment is compatible with water based products.

Typical film thickness: 1 coat: 18-22 microns
 2 coats: 35-40 microns

Clean equipment thoroughly with clean, preferably warm, water.

Drying Curing:

Air Dry:

- *Touch Dry:* 30-45 minutes
- *Hard Dry:* 16-24 hours

Heat Cure (Force Cure):

- *Flash Off:* 20-30 minutes
 - *Cure:* 40 minutes @ 80°C
 1 hour @ 60°C
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Technical Data Sheet



Technical Properties:

Supply Viscosity:	-
Flash Point:	N/A
VOC Content:	Base: 102gm / litre Catalyst: 24gm / litre
Colour:	
Pack Size:	
Density:	Base: 1.237 ± 0.05kg/l Catalyst: 0.998 ± 0.05kg/l
Gloss:	
Thinner:	Water
Solvent/Clean Up:	Water
Catalyst:	60-CAT
Theoretical Coverage:	12-25m ² / litre

Storage:

Highly flammable liquid: store and use in accordance with the flammable liquid regulations

Shelf Life: 12 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

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Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

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