

FEATURES

- Excellent adhesion to a wide variety of substrates
- Mild Steel, Corten steel
- Aluminium
- Stainless Steel, Brass, Bronze and Lead
- Sealed timber, Fibreglass, Epoxy resin
- Gelcoat, Carbon fibre
- Sealed ferro-cement
- Formulated for use above and below water - simplifies full hull painting projects
- Very long mixed pot life
- Excellent long-term re-coat and overcoating properties
- Lead and chromate free
- Very rapid dust-free and touch dry times
- Iso-cyanate free
- Excellent anti-corrosive properties
- Ideal for fairing systems – to apply fairing compound onto and for the sealing of completed, sanded fairing systems

RECOMMENDED USES

AY&B Epoxy Primer provides the foundation for all high-performance marine systems. AY&B Epoxy Primer is suitable for as vast range of substrates and ensures exceptional adhesion for all coating systems to build on.

AY&B Epoxy Primer is recommended for use as:

- Primer on suitably prepared steel, alloy, GRP and wooden substrates
- Multi-coat primer and self-build system
- Primer and seal coat for Altex Epoxy fairing systems

AY&B Epoxy Primer may also be used to seal off prepared, aged coatings prior to repainting - refer also to AY&B Epoxy Barrier Undercoat.

AY&B Epoxy Primer is ideal for use below the waterline as a tie coat between aged epoxies and Altex Yacht & Boat Antifouling:

- No.5 Antifouling
- No.5 PLUS Antifouling
- Sea-Zone® 60
- Pettit Vivid®
- Pettit Hydrocoat®

Limitations. AY&B Epoxy Primer is a thin film adhesion primer. It is not designed for thick film application-apply at 50-75µm maximum (sufficient to hide the substrate only).

Further, it is not designed to be sanded-refer to AY&B Epoxy High Build Surfacer and AY&B Epoxy Barrier Undercoat.

Not recommended for sealing aged antifouling

SPECIFICATION DATA

Generic Type:	Polyamide Epoxy
Colour:	Grey
Volume Solids:	45%
Packaging:	1.25 litre and 5 Litre kit Aust Only: 10 Litre Kit
Mix Ratio:	4:1 by volume
Application:	Spray, brush or roller
Gloss:	Flat
Flash Point:	27°C
Thinner:	Spray: Altex Thinning Solvent #12 Brush/Roller: Altex Thinning Solvent #22
Pot Life:	12 hours at 25°C
Induction Time:	15 minutes
Density:	1.33 kg per mixed litre
Storage:	Store under cool, dry conditions
Shelf Life:	Part A: 48 months at 24°C Part B: 24 months at 24°C

When kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.

Theoretical Coverage Rate:				
9.0 sq metres per litre at 50 microns dry				
Recommended Film Thickness Per Coat:				
111 microns wet to obtain 50 microns dry				
Dry Times (50 µm DFT / 25°C / 50% RH):				
Touch Dry	1 Hour			
Hard Dry	8 Hours			
Recoat Times (50 µm DFT / 25°C / 50% RH):				
	Minimum	Maximum		
Self recoat	2 Hours	3 Months**		
Overcoat with other epoxy	2 Hours	3 Months		
Antifouling*	2 Hours	48 Hours		
* Temperatures above 25°C will reduce the maximum recoat time of 48 hours when overcoating with Altex Antifouling listed above				
** For recoating aged Epoxy Primer (greater than 3 months), please contact AY&B Technical Services				
Application Conditions:				
Condition	Material	Surface	Ambient	Humidity
Minimum	5°C	5°C	5°C	0%
Maximum	32°C	50°C	50°C	85%
Optimum	20°C	20°C	20°C	50%
This product requires the substrate temperature to be above the dew point				

SURFACE PREPARATION

Use AY&B Epoxy Primer on suitably prepared mild & corten steel, aluminium & other non-ferrous metals, GRP, wood (preferably sealed with AY&B Everseal), gelcoat and freshly sanded epoxy fairing. Also use as the final coat under water before applying the anti-fouling.

All surfaces must be sound and free of oil, grease, dirt, form release agents, curing compounds, loose and flaking paint, moisture, and other foreign substances prior to application of AY&B Epoxy Primer.

Aluminium

Degrease all alloy surfaces with either Altex C50 Surface Cleaner, using the two-rag method, one to apply the C50, the other to wipe the surface clean:

Or: wash the surface down with Altex P40 Prepainting Cleaner. (refer Product Data Sheet)

Abrade the surface using 80-120 grit, non-metallic discs or sandpaper, to achieve a roughened profile, similar to 80 - 100 grit sandpaper. Dedust with clean, dry air or clean broom. Do NOT use rags to remove particles

AY&B Epoxy Primer should be applied to the cleaned surface as soon as possible to prevent re-oxidation or contamination.

Steel Surfaces:

Blast to near white metal, equivalent to SSPC-SP 10 or AS 1627.4 Sa 2½. The steel profile after blasting should be 30 to 50 microns in depth and be of a jagged nature as opposed to a peen pattern.

SSPC-SP 3: Mechanical preparation/power tool cleaning. Degrease prior to grinding / abrading. Mechanically abrade the surface with 60-80 grit discs to remove all aged, failed coatings, mill scale, corrosion products, weld burn etc., and achieve a bright metal look with a pronounced texture/profile. Do not buff or polish the surface.

Degrease again to remove preparation residues.

GRP/Epoxy Fairing.

Ensure all surfaces are freshly sanded, clean and free of dust residues.

DIRECTIONS FOR USE

Mixing:

AY&B Epoxy Primer is a two-component product supplied in kits which contain the correct ratio of ingredients. The entire contents of each container must be mixed together.

Power mix both Part A and Part B separately first to obtain a smooth, homogeneous condition. After mixing, add Part B slowly with continued agitation to the Part A. Allow an induction time of 15 minutes before application.

The pot life of the mixed material is 12 hours at 25°C. Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Thinning:

Thinning is required for spray application. Thin between 10% and 25% with Altex Thinning Solvent #12.

For brush/roller application, typically thin up to 20% with Altex Thinning Solvent #22.

It is important to thin to avoid overbuilding – evidenced by heavy brush marks or orange peel, slow cure and a soft film.

Application:

AY&B Epoxy Primer can be applied by spray, brush or roller. Application by either airless or conventional air spray equipment is the preferred method.

Suggested spray equipment is:

Air Spray *Graco* - Delta Air Spray; 1.2 – 1.4mm Fluid Nozzle

De Vilbiss - JGA gun, E or D Fluid Nozzle, 704/765 or 64 Air Nozzle

Airless Spray *Graco* - 30:1 pump, Contractor gun, 0.017-0.021" RAC IV tip

(Note: Other equipment equivalent to the above may be used.)

Clean-up:

Use Altex Thinning Solvent #12

PRECAUTIONS

For DIY & Professional Use: Read and follow all the caution statements on this Product Data Sheet, the product label, and the Safety Data Sheet (SDS) for health and safety information prior to use.

AY&B Epoxy Primer is flammable. Keep away from heat, sparks, and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

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