

ZECA Primer

Immersion Primer for Aluminium Hulls & Copper Antifouling Systems

FEATURES

Unique Interactive Protection

- ZECA Primer is an essential *component* of a unique *system* that affords corrosion protection to immersed aluminium alloys whilst allowing the superior performance of AF 3000 & AF 1000 tin-free copper based anti-foulings.
- ZECA Primer is manufactured by a process that allows interaction between substrate, binder and pigment to provide "on demand" amphoteric and polarity-reversal chemical reactions that effectively cancel the normal galvanic sacrifice of aluminium when in the presence of copper.

Easy Application

- After correct mixing and induction ZECA Primer is ready for application with conventional pressure pot air-spray equipment. *No thinning is necessary.*

Fast Drying

- Although a catalysed chemical reaction will progress for some time, freshly applied ZECA Primer is touch dry in minutes and will withstand spent blast abrasive after 2 hours at 25°C. Thus large hulls may be prepared and primed progressively if careful procedures are adopted.

RECOMMENDED USES

ZECA Primer is formulated for use *only* on immersed or splash-zone aluminium surfaces and must be used in conjunction with Altra~Prime 504-50 and/or Altra~Build 540 High Build Epoxy.

- ZECA Primer and subsequent coatings in the ZECA system must be applied strictly in accordance with the relevant specifications - issued uniquely for the particular approved project.
- ZECA Primer should be applied to totally clean aluminium that has been abrasive blasted to an even 50+ micron profile. Dags and spurs must be removed, welds must be continuous and break-free. Do **NOT** apply to acid cleaned or conversion coated surfaces.
- ZECA Primer is for use on immersed aluminium alloy surfaces only. Do **NOT** use on ferrous surfaces such as mild steel, Corten, stainless steel, etc..
- **Only pure zinc anodes should be used on hulls protected with the ZECA system.**
- **Do NOT use the ZECA system on stern legs, sail drives, outboards, or the screen or internal and external surfaces of jet-drive units.**

...FOR PROFESSIONAL USE ONLY...

SPECIFICATION DATA

Coating Type:	Catalysed Amphoteric Pigmented Primer for Immersed Aluminium Alloys
Colours:	Red-Brown
Packaging:	6 litre 2 component kits
Mix Ratio:	2:1 (Base:Catalyst) by volume
Gloss:	Flat
Flash Point:	27°C
Thinner:	Not normally recommended Clean up with Thinner 1/2
Pot Life:	Normally 8 hours at 25°C
Induction Time:	20 minutes at 25°C - 10 minutes extra for every 5°C drop in temperature
Shelf Life:	Base Sealed containers > 2 years Catalyst Sealed containers, 12 months Part used and resealed containers must be discarded after 14 days
Storage:	Store under cool, dry conditions

Density:	Mixed - 1.9 kg per litre
Temperature Resistance:	90°C dry
Volume Solids (Mixed):	46%
Theoretical Coverage Rate:	6.13 square metres per litre at 75 microns dry
Recommended Film Thickness Per Coat:	163 microns wet to obtain 75 microns dry
Application:	Conventional spray only Small repairs may be brushed
Dry Times (75 µm DFT / 50% R.H.):	
Self recoat	2 hours at 25°C Maximum - 3 days at 25°C
Recoat with Altra~Prime 504-50 or Altra~Build 540:	4 hours at 25°C 5 hours at 20°C 7 hours at 15°C Otherwise leave overnight before sealing Maximum - 7 days at 25°C

SURFACE PREPARATION

Aluminium Alloys Only - New Work

Ensure all surfaces are free of grease and other contaminants. When in doubt flood the surface with water and mark any 'breaks' for thorough detergent washing and rinsing. The surface is deemed to be free of grease or oil when water floods the surface with no visible break.

Abrasive blast to an even matt finish and approximately 50 microns profile with fine non-metallic media such as washed garnet.

Apply ZECA Primer within 2 hours.

Repair of Existing ZECA System

'Open' damage area into sound surrounding coating(s) using either abrasive blast equipment or clean new carborundum discs or coarse emery cloth. Feather into the sound coating(s). Exposed aluminium alloy should have a bright but clearly roughened appearance.

Apply ZECA Primer by spray (or brush apply at least two coats) ensuring minimal overlap but a positive seal onto the prepared sound adjacent coatings.

DIRECTIONS FOR USE

Mixing:

ZECA Primer is a two component catalysed product usually supplied in 6 litre kits. Before use the entire contents of the Base must be thoroughly mixed to a homogeneous consistency before addition of the Catalyst in the ratio 2 parts Base to 1 part Catalyst by volume.

Allow the mixed components to stand for the required induction time (see "Specification Data" overleaf) before application.

Thinning:

The properly mixed ZECA Primer kit does not require addition of thinner for application.

Clean-up:

Use Thinner 1/2

Application:

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

Apply ZECA Primer by brush and roller primarily for touch-up and repair to small areas.

Suggested spray equipment is:

Air Spray	Graco - Delta Air spray gun, 2.8mm (0.110") set up De Vilbiss - JGA gun, E or D Fluid Nozzle, 704/64 Air Nozzle
Airless Spray	Graco - 30:1 pump, Contractor gun, 0.021-0.025" RAC IV tip

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

PRECAUTIONS

For industrial use only. See the Altex Coatings Limited General Safety Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

ZECA 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.

ALTEX COATINGS LIMITED

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