

Understanding 2 Pack Products

Many DIY painters are a bit nervous about using two pack products – this is usually as a result of not understanding a few simple “rules” that will make your painting experience a resounding success. Below we have outlined a few key points to remember:

MIX RATIO

The mix ratio is the ratio of Part A (the base portion) that is mixed with the Part B (the converter or catalyst). Mix ratios are set to an optimum rate so that the paint cures well, and performs at its best. Users are encouraged to measure the volumes of the two parts carefully and accurately. Make sure the two separate components are well mixed before you decant any as it is important that each component is a smooth, homogeneous blend before measuring/ decanting.

INDUCTION TIME

Induction time is the period of time, after mixing the components together, but before thinning, when the paint is allowed to rest and start the catalysing process. Induction has a number of benefits and is highly recommended, especially in cooler temperatures.

POT LIFE

The "Pot Life" is the amount of time available (based on warm, 24°C conditions or as stated by the relevant product data sheet) to apply the product before it is too far along the cure process to still be useable. Always mix smaller amounts than will be needed in the course of the day. Even though a product may still be liquid, once the pot life has expired, discard the balance as partially catalysed product will not adhere and perform well.

THINNERS

Thinning is usually required for most products (but not always so check the data sheet). Thinning helps to achieve a nice even finish, without lots of brush marks, and it helps to control how much paint is applied. Thick coats are often the cause of problems.

DRY TIMES

Dry times are based on the prevailing temperature at the time, the thickness of the coating applied and ventilation. Applying the next coat of paint before the previous one is cured (hard dry) is not advised, as generally this will slow down the cure of both layers, and can lead to solvent entrapment - a condition where the solvents just cannot get out of the film, and this results in premature failure of the coating system.

Fibreglass (Gelcoat & GRP) Products

ANCILLARY PRODUCTS



C50 Surface Cleaner



P40 Pre-Painting Cleaner



MultiPurpose Primer



Epoxy Primer

FILLERS



Epoxy Resin & Microballoons



Epoxy Spot Filler 1:1

UNDERCOATS



Surfacer Undercoat



Epoxy Barrier Undercoat



Polyurethane Undercoat

TOPCOATS



Regatta® 2k Additive



Regatta® Gloss Enamel



Elite™ 321 Brushing Polyurethane

For further information and product data sheets, refer to our website www.altexboatpaint.com



Altex Yacht & Boat Paint

Altex Yacht & Boat Paint, proudly developed in New Zealand and Australia, designed for our harsh conditions, and a proven performer in our waters. Have confidence in 60 plus years of Marine coatings development, easy access to our technical staff for advice and product designed for the DIY Boat Owner as well as the Professional Painter.

This brochure has been designed especially for the DIY boat owner and outlines the appropriate DIY Painting System and will take you through a step by step system guide to painting your boat, if you are a trade professional, please visit our trade only area on our website or contact your Sales Representative today for our System Manual and Technical information. Please refer to our Product Brochure for our range of products.

There are many potential pitfalls and variables to consider when repainting a boat. We offer FREE local expert advice and resources that are only a phone call, email or click away.

For further product information, visit our website to download the latest technical and safety data sheets:

altexboatpaint.com



Talk to an expert today

NEW ZEALAND SUPPORT

☎ 0800 429 527

✉ support@altexboatpaint.co.nz

AUSTRALIA SUPPORT

☎ 1800 738 383

✉ support@altexboatpaint.com.au

DISCLAIMER

The recommendations provided in this brochure have been suggested in good faith based on common and assumed information that would be typical of the given situation. Altex Coating Ltd has taken all reasonable steps to ensure the recommendations meet the needs of the typical client/situation but reserves the right to amend or withdraw any recommendations due to a change in conditions. If the steps outlined are not followed correctly or should the starting surface not be of a repairable state then Altex Coatings does not take any responsibility for failure of the product to perform as pictured.



FIBREGLASS, GELCOAT & GRP BOAT

BRUSH & ROLL PAINTING

DIY System Guide



FOR TOPSIDES & SUPERSTRUCTURES

Brilliant Coats for Brilliant Boats

Surface Preparation

Altex Yacht & Boat Paint have an enormous amount of experience coating Fibreglass, Gelcoat & GRP Substrates & have designed our systems & products accordingly. By following this step by step system guide, your project should be a successful & rewarding experience.



WATERBLAST

surfaces to be painted to remove salts. If waterblasting is not practical then wash with clean water and clean rags (replace water frequently).

ANCILLARY

DEGREASE

using the "two-rag-method" i.e. one rag to apply and clean, the other to remove the solvent, oil, and wax residues. Ensure to change cloths often.

RECOMMENDED SOLVENT CLEANERS:

C50 Surface Cleaner: removes light oils, diesel etc.

D30 Degreaser/Dewaxer: removes wax, grease and heavy contaminants.

Alternatively, use **P40 Prepainting Cleaner** if a water-based, odour-free, and biodegradable cleaner is preferred. Refer to the current data sheet for further information.



SAND

EXPOSED SUBSTRATE/NEW WORK: Thoroughly sand the surface using 80 grit, non-lubricated sandpaper.

REPAINTING: If the coating system to be applied is a "Simple Repaint" (i.e. no fairing/filling or high build coatings) then sand all surfaces using 100-120 grit non-lubricated sandpaper.

Sand with 80-100 grit non-lubricated sandpaper if applying high build coatings or fairing systems.

Ensure all sanded surfaces have unsound coatings removed, hard edges feathered and are rendered to a matte finish with a clearly discernible surface profile.



DEDUST

with either clean compressed air, vacuum, a clean soft bristle brush and/or fresh water rinsing.

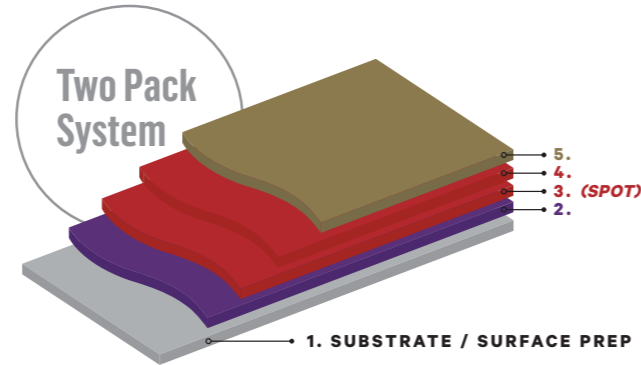
IMPORTANT

Ensure all surfaces are clean, dry and thoroughly prepared before proceeding.

IMPORTANT APPLICATION CONSIDERATIONS:

The number of a coats required may vary. The key factors to consider are the overall condition of the substrate, the desired finish, and, if applying one of the deep and dark colours, the likelihood that additional coats will be required to achieve full coverage.

Repair & Repaint



1. SURFACE PREPARATION



2. EPOXY RESIN WITH MICROBALLOONS OR EPOXY SPOT FILLER 1:1

Apply to all damaged areas or uneven surfaces. Slightly overfill the area to ensure sufficient product has been applied.

SAND ALL SURFACES SMOOTH AND DE-DUST



3. (SPOT) EPOXY BARRIER UNDERCOAT

Apply a "spot" coat to all filled & faired surfaces to seal the compound.



4. EPOXY BARRIER UNDERCOAT

Apply two coats to all surfaces. Additional coats may be required to achieve a satisfactory finish. ***DO NOT LEAVE LONGER THAN 8-10 DAYS BEFORE PROCEEDING TO STEP 5.**

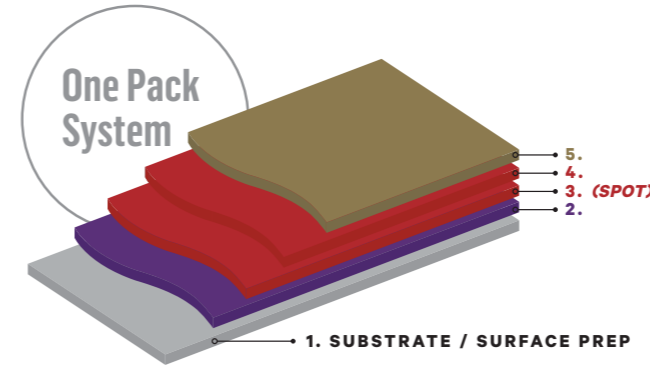
SAND WITH 280-320 GRIT SANDPAPER



5. ELITE™ 321 BRUSHING POLYURETHANE*

Apply two or three coats.

Repair & Repaint



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2. EPOXY RESIN WITH MICROBALLOONS OR EPOXY SPOT FILLER 1:1

Apply to all damaged areas or uneven surfaces. Slightly overfill the area to ensure sufficient product has been applied.

SAND ALL SURFACES SMOOTH AND DE-DUST



3. (SPOT) SURFACER UNDERCOAT

Apply a "spot" coat to all filled & faired surfaces to seal the compound.



4. SURFACER UNDERCOAT

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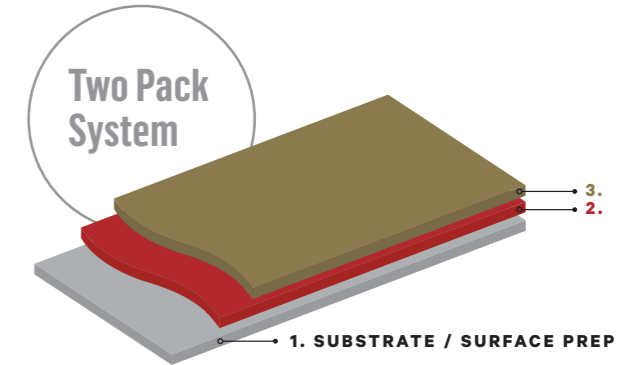
SAND WITH 280-320 GRIT SANDPAPER



5. REGATTA* GLOSS ENAMEL

Apply two or three coats.

Simple Repaint/New



1. SURFACE PREPARATION



2. EPOXY BARRIER UNDERCOAT

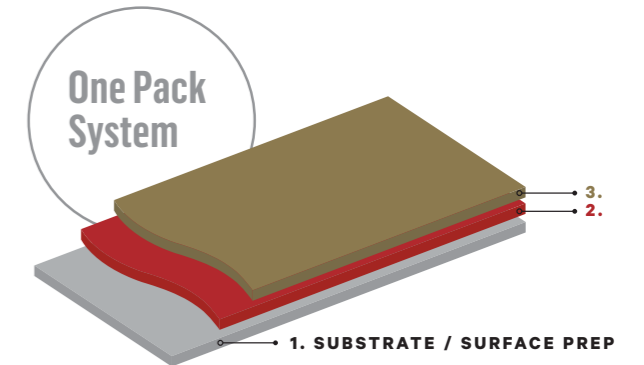
Apply two coats to all surfaces. Additional coats may be required to achieve a satisfactory finish. ***DO NOT LEAVE LONGER THAN 8-10 DAYS BEFORE PROCEEDING TO STEP 3.**

SAND WITH 280-320 GRIT SANDPAPER



3. ELITE™ 321 BRUSHING POLYURETHANE*

Apply two or three coats.



1. SURFACE PREPARATION



2. SURFACER UNDERCOAT

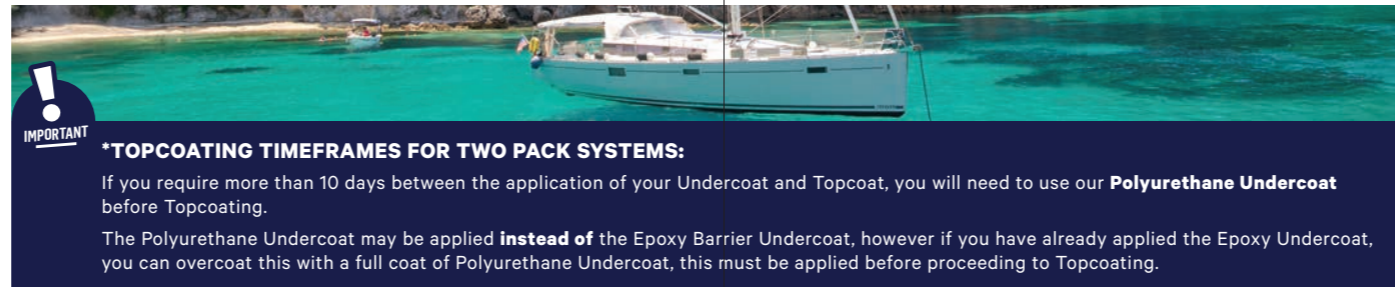
Apply two coats to all surfaces. Additional coats may be required to achieve a satisfactory finish.

SAND WITH 280-320 GRIT SANDPAPER



3. REGATTA* GLOSS ENAMEL

Apply two or three coats.



IMPORTANT

*TOPCOATING TIMEFRAMES FOR TWO PACK SYSTEMS:

If you require more than 10 days between the application of your Undercoat and Topcoat, you will need to use our **Polyurethane Undercoat** before Topcoating.

The Polyurethane Undercoat may be applied **instead of** the Epoxy Barrier Undercoat, however if you have already applied the Epoxy Undercoat, you can overcoat this with a full coat of Polyurethane Undercoat, this must be applied before proceeding to Topcoating.