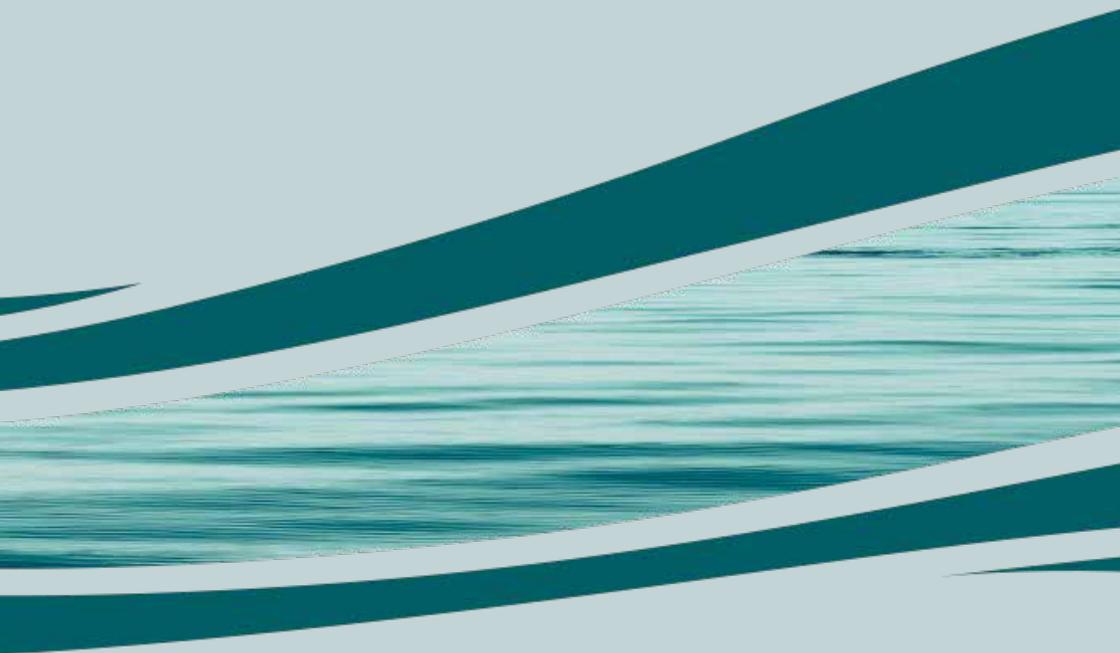




Teamac[®]

MARINE PAINTS AND VARNISHES SINCE 1908

PRODUCTS & ADVICE



Teal & Mackrill is a family owned business based in Hull, UK founded in 1908. We continue to modernise our R&D and manufacturing facilities, while remaining close to our roots.

Teamac is a well known brand in the Marine market both in leisure and the commercial market sectors. We manufacture and distribute high quality British Marine Paints that will protect & enhance your boat. We also combine over 100 years of product knowledge with modern technology to produce exceptional paints.

The Teamac Brand stands for high quality and experience, with products that are easy to understand and use. We offer the largest range of marine colour choices, excellent customer service and a dedicated technical team to provide advice when painting your boat. Respecting our important values ensure that you, our customer are at the forefront of everything we do.

If you have any questions do not hesitate to get in contact with us by phone or email.

Geoff Mackrill
Director Teal & Mackrill Ltd.



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TEAMAC PRODUCTS

We have long lasting, high performance two pack and flexible easy to apply single pack products. Our R&D chemists have spent years perfecting our marine products, tweaking and testing formulations to find those which perform to our customers high expectations. Our antifoulings are also independently tested for efficacy and performance levels. From sailing dinghies to super yachts we are here to answer your questions and guide you through every step of your painting project. Please send us an email info@teamac.co.uk or phone our advice line to speak to our technical team on 01482 320194.

PRIMERS
&
UNDERCOATS

ANTIFOULING

TOPCOATS

DECK PAINTS

BILGE, CABIN
& LOCKER

VARNISHES
&
OILS

PREPARATION
PAINT



VISION

‘Our vision is to be a leading British Marine Paint Manufacturer by providing innovative products with the widest colour choice and reduced environmental impact.’

THE TEAMAC TECHNICAL TEAM

HERE TO SUPPORT...

We stand by our products and want to help you achieve the best results when using them. To do this we have a number of options available to support your painting project.

- Our technical department is available from Monday to Thursday between 09.00 and 17.00 and Friday between 09.00 and 15.30. Do not hesitate to call and have a chat with us on 01482 320194.
- We can visit your boat to discuss your project face to face. Providing helpful product selection advice alongside hints and tips for painting success.
- Boat/Yacht club talks can be arranged to cover training on any aspect of painting.
- Also, if you sell our products in your chandlery, or use them in your boat yard, we can carry out training to familiarise your team with the range.

Our expert technical team are here when you need them!

OUR COMMITMENT TO THE ENVIRONMENT

Minimising the environmental impact of our business is a vital part of our day to day operations. From reducing the amount of waste sent to landfill, to shrinking VOC emissions and having externally certified systems for quality and environmental management, we do everything possible to operate in a sustainable manner. We are ISO 14001 accredited.



PRIMERS & UNDERCOATS

To achieve a flawless finish an undercoat is vital. Providing the base for finish coats, characteristics such as high opacity and sand-ability enable straightforward colour changes and easy removal of imperfections. Carrying out two main roles, primers are the starting point in a paint scheme. They protect the substrate from corrosion and water ingress, whilst also providing a strong bond between the substrate and paint system. Optimised for either above or below water use and for various substrates, Teamac has a primer suitable for most yacht painting projects.

Marine Primer Undercoat

Our marine primer undercoat primes and prepares wood, grp, iron and steel. Suitable for narrowboats, cruisers, barges, yachts and marine applications. It can be applied to suitably prepared steel and cast iron. Marine Primer Undercoat should be used as a system with Teamac Marine Gloss to retain a long lasting, high gloss finish.

- **Primes & prepares - easy to use**
- **Anti corrosive & improves topcoat finish**
- **Perfect for wood, GRP, steel & cast iron,**
- **Available in 1L, 2.5L & 5L**



Aluminium Wood Primer

Our Aluminium Wood Primer is a stain resistant primer for marine ply, soft and hard wood. Suitable for narrowboats, cruisers, barges, yachts and other marine applications. It can be applied to suitably prepared timbers and boards. Marine Aluminium primer should be used as a system with Teamac Marine Primer Undercoat and Teamac Marine gloss to retain a long lasting, high gloss finish.

- **The ultimate in wood primer performance**
- **Perfect for resinous timbers**
- **Provides flat, blister resistant finish for topcoats to adhere to**
- **Available in 500ml, 1L & 2.5L**



High Performance Marine Primer

Our High Performance Marine Primer offers our highest level of corrosion resistance. It is a two pack epoxy zinc phosphate coating that can extend the lifespan of your boat. Suitable for yachts, power boats, dinghies, narrowboats, cruisers, commercial vessels and many other marine applications. It can be applied to suitably prepared wood, grp, steel and aluminium. High Performance Primer undercoat forms a system with Teamac Marine High Performance gloss and can be used with teamac marine antifouling & topcoats.



- **Highest level of corrosion resistance**
- **For use above and below the waterline in harsh marine environments**
- **Perfect for wood, GRP, steel & aluminium**
- **Available in 1L & 5L**
- **Clear**

Penetrating Wood Primer

Our Penetrating Wood Primer is a traditional solvent based primer for marine ply, soft and hard wood. Suitable for interior and exterior use. It can be applied to suitably prepared timbers and boards.



- **Traditional wood primer for all types of wood**
- **Provides flat finish for topcoats to adhere to**
- **Perfect for marine ply, soft and hard woods**
- **Available in 500ml, 1L, 2.5L & 5L**

HINTS AND TIPS

- ✓ Always ensure that the undercoat is completely smooth and any imperfections are filled before applying the gloss. Gloss is much harder to sand and will emphasize any underlying defects.
- ✓ The easiest way to apply undercoat is by working as a team of two. One person can roll the product on and the second person can follow behind with a high quality brush to lightly tip the paint off, removing air bubbles and helping it to flow out.
- ✓ Choose the most appropriate colour of undercoat to go with your chosen gloss finish. Teamac Marine Primer Undercoat is available in 6 colours so a good match is available. High Performance Primer Undercoat is available in White, Red and Grey.



Red Oxide Primer

Our Red Oxide Primer is a traditional general purpose primer for iron and steel. Suitable for narrowboats, cruisers, barges and marine applications. It can be applied to suitably prepared steel and cast iron. Where there is heavy oxidation that cannot be removed it can be used over Teamac Rust converter.

- **Traditional general purpose primer for iron and steel**
- **Provides flat finish for topcoats to adhere to**
- **Perfect for steel & cast iron**
- **Available in 1L, 2.5L & 5L**



Metaclor Antifouling Primer

Our Metaclor Antifouling Primer is a strong, versatile, chlorinated rubber based coating for wood, metal & grp. Suitable for narrowboats, cruisers, barges, yachts and marine structures. Can be used above and below the waterline, on mixed material surfaces and over any existing antifouling.

- **Versatile primer for Antifoulings**
- **Use as a barrier coat over any existing Antifouling**
- **Perfect for wood, metal & GRP both above and below the waterline**
- **Available in 500ml, 1L, 2.5L & 5L**



PRODUCT NAME	COVERAGE RATE	THINNER REQUIRED	TOUCH DRY TIME / HARD DRY TIME	OVERCOATING TIME (MIN / MAX)	SUITABLE FOR ABOVE OR BELOW WATERLINE	APPLICATION METHODS	PACK SIZES AVAILABLE
Marine Primer Undercoat 	13 m ² / litre	Thinners 14	2 hrs / 12 hours	12 hrs +	Above	Brush, Roller or Spray	1L 2.5L 5L
Aluminium Wood Primer 	13 m ² / litre	Thinners 14	2 hrs/ 16 hrs	16 hrs +	Above	Brush	500ml 1L 2.5L
High Performance Marine Primer 	up to 12.4 m ² /litre	Thinners 39	2 hrs / 4 hrs	4 hrs/ 4days	Above & Below	Brush, Roller or Airless Spray	5L
Penetrating Wood Primer 	13 m ² / litre	Thinners 14	3 hours / 16 hours	16 hours +	Above	Brush or Roller	500ml 1L 2.5L 5L
Metaclor Antifouling Primer 	10 m ² / litre	Thinners 16	30 mins / 8 hours	8 hours +	Above & Below	Brush, Roller & Airless Spray	500ml 1L 2.5L 5L
Red Oxide Primer 	13 m ² / litre	Thinners 14	2 hours / 12 hours	12 hours +	Above	Brush, Roller or Spray	1L 2.5L 5L

ANTIFOULING PRODUCTS

Slime, weed, barnacles, worms and other fouling are your sailing nemeses. They create drag, slowing you down, burning unnecessary fuel, reducing manoeuvrability, potentially damaging your hull and also causing environmental harm if moved to new habitats. The stakes are high, which explains why antifouling is such an important product.

The fouling challenge can vary massively with tiny geographic movements. Even within the same marina, each berth may experience different fouling challenges.

With three products in the range, we have a product to suit your boat.

BENEFITS OF ANTIFOULING

- ✓ Increase vessel speed
- ✓ Less fuel consumption
- ✓ Improved manoeuvrability
- ✓ Reduces risk of structural damage & marking
- ✓ Eliminates translocation of invasive species



Antifouling D Plus

Our highest performance eroding antifouling which gives up to 18-24 months fouling protection from 2 coats, to maximise your time on the water.

Based on copper oxide boosted with co-biocides for ultimate strength. Suitable for yachts, cruisers, barges & commercial vessels with a maximum cruising speed of 30 knots.

D Plus Antifouling is compatible with the vast majority of alternate antifouling paints. If in doubt, check first on the Teamac compatibility chart. Can be applied onto all substrates except aluminium.

Ideal for use in the most challenging fouling areas.

- **18-24 months protection (2 coats)**
- **Can be launched just 8 hours after application**
- **Unique co-biocide technology for ultimate fouling protection**
- **Compatible with majority of competitor products**
- **Available in 1L, 2.5L & 5L in Black, Blue, Green, Red & Grey. 20L available only in Red.**



Antifouling A Plus

A high performance eroding antifouling which gives up to 18-24 months fouling protection from 2 coats, to maximise your time on the water.

As well as being an excellent antifouling, this paint also performs well as a Boottopping due to its harder film matrix. Suitable for boats, yachts, barges and commercial vessels with a maximum cruising speed of 30 knots.

Teamac Antifouling A Plus is compatible with the vast majority of alternate antifouling paints. If in doubt, check first on the Teamac compatibility chart. Can be applied onto all substrates including aluminium.

Ideal for use in the most challenging fouling areas.

- **18-24 months protection (2 coats)**
- **Can be launched just 8 hours after application**
- **Suitable for aluminium hulls**
- **Suitable as a boottopping paint**
- **Available in bright white, black, blue & red**
- **Available in 500ml, 1L & 2.5L**



Protector II Antifouling

An effective economical, eroding antifouling paint that offers a combination of good compatibility and competitive performance.

Based on copper oxide, Teamac Protector II Antifouling is suitable for boats or yachts with a cruising speed of 25 to 30 knots.

Suitable for use in all but the most challenging fouling areas. For those areas we would recommend Teamac Antifouling D Plus. Also ideal for freshwater. Not to be used on Aluminium, for this we recommend A Plus.

- **12 months protection**
- **Compatible with most other antifoulings**
- **Launch without further preparation up to 3 months after application**
- **Ideal for fresh and brackish water**
- **Available in 1L & 2.5L in Black, Blue & Red**
- **5L only available in Red & Blue**



ANTIFOULING SYSTEMS

To get the best from your antifouling, we recommend the following schemes when applying onto a bare substrate.

ONE PACK SCHEME



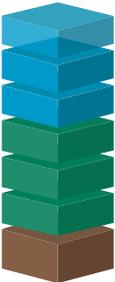
EXISTING
COATING
(Check
compatibility)

TEAMAC
ANTIFOULING
(2 coats)
(3rd coat optional)
METACLOR
ANTIFOULING
PRIMER
(1 coat)



GRP

TEAMAC
ANTIFOULING
(2 coats)
(3rd coat optional)
METACLOR
ANTIFOULING
PRIMER
(1 coat)



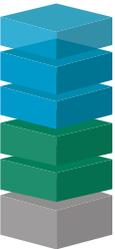
WOOD

TEAMAC
ANTIFOULING
(2 coats)
(3rd coat
optional)
METACLOR
ANTIFOULING
PRIMER
(2 coats)
METACLOR
ANTIFOULING
PRIMER
(1 coat thinned
25%)



ALUMINIUM

ANTIFOULING A
PLUS
(2 coats)
(3rd coat
optional)
METACLOR
ANTIFOULING
PRIMER
(2 coats)



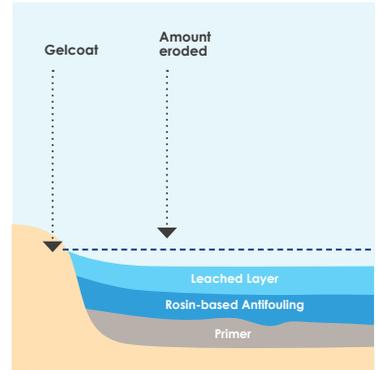
STEEL

TEAMAC
ANTIFOULING
(2 coats)
(3rd coat
optional)
METACLOR
ANTIFOULING
PRIMER
(2 coats)

Always seek
technical
guidance
before starting
work!

Why is it important to apply the correct volume of product?

Eroding antifouling works using the friction of water moving across the surface to remove the film in a controlled manner. As the film of paint is eroded away, fresh biocide is exposed, ensuring a consistent performance throughout the season. If too little paint is applied, the film is worn through before the end of the season, allowing fouling to take hold as the biocide protection is gone.



It is important to use your boat regularly to allow the eroding process to take place. Boats which sit unused for long periods of time end up with a large leached layer of paint. This means the biocide has dissolved out of the paint film, but the remaining paint film is still intact, trapping fresh biocide inside. This leads to a reduction in performance and a less stable surface, requiring increased preparation before a new coating is applied.

HOW MUCH PAINT DO YOU NEED?

Antifouling Required for 2 Coats (LT)	LENGTH					
	5m / 16ft	7m / 24ft	9m / 30ft	11m / 35ft	12m / 40ft	15m / 50ft
TYPE OF VESSEL						
Motorboat	2.5	4.5	8.0	10.0	12.5	17.5
Long Keel Sailing	2.5	4.5	7.5	9.5	11.5	16.0
Fin Keel Sailing	1.5	3.0	5.0	6.5	8.0	10.0

Figures are an estimate only. For customised volumes please contact the technical department – 01482 320194.



Peelaway® Marine is specially formulated to effectively remove multiple layers of anti-foul coatings with one application saving time by reducing the need for repeated scraping. Its patented water based poultice system means the product remains active and works without rapidly drying out.

GRP ✓ WOOD ✓ METAL ✓ CONCRETE ✓

The special poultice blanket supplied enables stripped anti-foul paint to be collected easily and so reduces boatyard/dockside contamination risk. Peelaway® Marine is a light paste consistency and is easy to apply to vertical surfaces and difficult shapes. It can be applied with a brush or trowel and for larger areas an airless sprayer can be used. Always carry out a test patch before general application. Suitable for most hull types including GRP, wood, steel and concrete.

STEP 1 Test Patch Areas

It is often impossible to know the type and build depth of anti-fouling before coatings are removed. It is essential to apply a test patch to an area typical of the surface to be stripped to ensure the results will be satisfactory. This will also indicate the dwell time required and thickness of paste to be applied.

STEP 2 Application

Apply evenly with airless spray, brush or trowel working into crevices, including on wooden hulls where planks overlap. Ensure raised edges and corners are covered well. Then apply a second coat to the final tested thickness. Finally, lay on the poultice with printing facing outwards, gently rubbing to exclude trapped air bubbles. Work in manageable areas which can be removed within the time scale indicated by the test patch. Peelaway® Marine should not be left on longer than 48 hours when used on GRP/Gel coat substrates.

STEP 3 Removal

Slide scraper into paste and paint, keeping the paint, paste and cover together as much as possible. Take care not to gouge/scratch the gel coat. Steam cleaning or pressure washing may aid removal of residues. Once all the old anti-fouling paint has been removed, any remaining residues of Peelaway® Marine must be cleaned/washed away. Allow the cleaned surface to dry thoroughly before re-coating.



SUMMARY CHART

PRODUCT NAME	PERFORMANCE LEVEL	COVERAGE RATE	THINNER TO USE	TOUCH DRY TIME / HARD DRY TIME	OVERCOATING TIME (MIN / MAX)	LAUNCH TIME	SUITABLE FOR ABOVE OR BELOW WATERLINE	APPLICATION METHODS	SUITABLE SUBSTRATE	PACK SIZES AVAILABLE
Antifouling A Plus 	*****	10m ² /litre		3 hours /	18 hours +	8 hours -	Below	Brush/ Roller Spray <small>(by professional)</small>	Steel GRP Wood	500ml 1L 2.5L
Antifouling D Plus 	****	10m ² /litre		3 hours /	18 hours +	8 hours -	Below	Brush/ Roller Spray <small>(by professional)</small>	GRP Steel Wood Ferro Concrete	1L 2.5L 20L (Red only)
Protector II Antifouling 	***	10m ² /litre	Antifouling Thinner	3 hours / 18 hours	16 hours +	8 hours - 3 months	Below	Brush/ Roller Spray <small>(by professional)</small>	GRP Steel Wood	1L 2.5L 5L (Red & Blue only)

HINTS AND TIPS

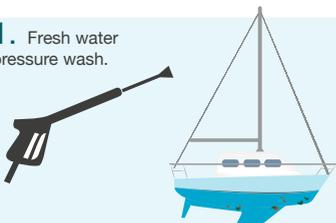


- ✓ Always wear the appropriate protective equipment when working with antifouling paints. Use gloves, a dust mask, eye protection and overalls.
- ! If there are signs of flaking paint or craters in the existing coating, it is time to remove the old paint back to the primer, substrate or a stable layer. You do not want your new antifouling flaking straight off when your yacht is immersed.
- ✓ Always wet sand antifouling to minimise dust. Using dry sand paper creates clouds of biocidal dust, which you and those near you do not want to breathe in.
- ! Always stir your antifouling before use as important components may have sunk to the bottom of the tin.
- ✓ Don't panic if you apply your antifouling and then exceed the immersion time. Simply wash the antifouling with low pressure water and rub lightly with a sponge. This removes any contaminants which may block the antifouling performance, reactivating

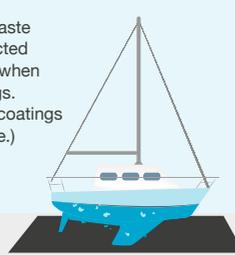
HOW TO APPLY ANTIFOULING

When your boat is lifted out of the water...

1. Fresh water pressure wash.



Always ensure waste is correctly collected and disposed of when removing coatings. (Follow the BCF coatings removal guidance.)



Cover ground to catch waste.

2. Signs of flaking?



YES →



Use scraper to scrape off the loose paint.



Use 180 grade wet + dry sand paper to smooth the surface.

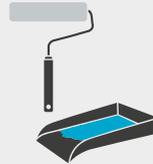
NO

or take the easy option and have your hull blasted by a professional

3.



Mix the antifouling for minimum 5 minutes.



Use short nap/ haired roller



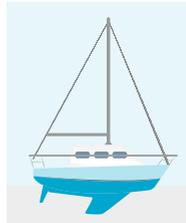
Or a brush to apply the antifouling.

4.



Apply the antifouling.

5.



Allow min 8 hours and max 3 months before launching.

6.



Up to 24 months of sailing enjoyment.

ALWAYS WEAR CORRECT PPE



Eye wear



Dust mask



Gloves



Boilersuit

! CHEMICAL STRIPPERS CAN AID THE REMOVAL OF ANTIFOULING, BUT ENSURE THAT IT IS NOT ONE WHICH DAMAGES GELCOAT

ANTIFOULING COMPATIBILITY CHART

Existing Antifouling Paint		NEW Antifouling Paint		
		TEAMAC		
		ANTIFOULING A PLUS	ANTIFOULING D PLUS	PROTECTOR II ANTIFOULING
HEMPEL	Copper Coat			
	Tiger Xtra			
	Cruising Performer			
	Aluxtra			
	Ocean Performer			
	Hard Racing			
	Broads			
	Silic One			
	Mille Prop			
INTERNATIONAL	Micron Extra 2			
	Trilux 33			
	Interspeed Ultra 2			
	Cruiser Uno EU			
	Cruiser Bright White			
	Boatguard EU			
	VC 17M Extra - Graphite			
	VC Offshore			
	Micron Optima			
TEAMAC	Micron WA			
	Antifouling A Plus			
	Antifouling D Plus			
SEAJET	Protector II Antifouling			
	031 Samurai			
	033 Shogun			
	034 Emperor			
	037 Coastal			
	038 Taisho			
	039 Platinum			
Unknown coating				

LEGEND

-  Remove coating to stable primer. Abrade (wet) and apply Metaclor Antifouling Primer
-  Abrade (wet) existing Antifouling and Prime with Metaclor Antifouling Primer
-  Abrade (wet) existing Antifouling and apply chosen Teamac Antifouling.
-  Contact Teamac technical advice helpline.

We recommend periodically removing all layers of antifouling back to primer to avoid excessive film build. Failure to do this can lead to detachment of the coating from the hull.

TOPCOATS

The quality of finish on your topsides and superstructure makes a huge difference to the look of your boat. It can transform a tired, well used one into one which looks virtually new. Our topcoats provide high gloss, durable and UV resistant finishes to help protect & enhance your boat.

Marine Gloss

Our Marine Gloss is a high-quality, durable marine topcoat. Suitable for yachts, power boats, dinghies, narrowboats and many other marine applications. Marine Gloss works best as a system, always use the appropriate Teamac Marine Primer/Undercoat.

- **Durable protection against the elements**
- **Perfect for wood, GRP, steel, aluminium & ferro concrete**
- **Available in 1L, 2.5L & 5L**
- **Available in 48 colours & can be tinted to RAL/BS/NCS**
- **500ml available in Signal Red, Black, White & Oxford Blue**



High Performance Marine Gloss

Our High Performance Marine Gloss is our most durable marine topcoat. It is a two pack polyurethane coating that can extend the lifespan of your boat providing outstanding scratch resistance and uv protection. Suitable for yachts, power boats, dinghies, narrowboats, cruisers, commercial vessels and many other marine applications. High Performance Marine Gloss works best as a system, always use Teamac Marine High Performance Primer.

- **Scratch resistant mirror finish gloss**
- **Long lasting protection from UV light**
- **Perfect for wood, GRP, steel & aluminium**
- **1L & 5L (two pack product)**
- **Available in 48 colours & can be tinted to RAL/BS/NCS**



TOP COAT RULE!

Topcoats are generally compatible with each other, but always remember...

One part paint can be applied over two part, but never apply two part paint over one part.

The strong solvent in two part paint can cause existing single pack paint films to soften.



Marine Satin Finish

Our Marine Satin Finish is a high-quality, durable, marine topcoat for use where low glare is required such as boat roofs. Suitable for yachts, power boats, dinghies, narrowboats and many other marine applications. Marine satin works best as a system, always use the appropriate Teamac Marine Primer/Undercoat.

- **Attractive satin finish**
- **Low reflection and durable protection against the elements**
- **Perfect for wood, GRP, steel & aluminium**
- **Available in 1L in Black & Red**



Hull Blacking

Our Hull Blacking is a high quality, bitumen based coating for hulls. Suitable for narrowboats, cruisers and any inland waterway vessel. It can be applied to suitably prepared wood, steel and cast iron. Can be used without a primer/undercoat; can only be over-coated with another bitumen based product.

- **Cost effective protection for hulls**
- **Waterproof, weatherproof and corrosion resistant**
- **Perfect for wood, steel & cast iron**
- **Available in 1L, 2.5L, 5L & 20L**



Boottopping

Our Boottopping is an attractive, scrubbable marine topcoat. Suitable for yachts and cruisers. Boottopping works best as a system, always use the appropriate Teamac Marine Primer Undercoat.

- **Provides an attractive, scrubbable hard-wearing surface**
- **Durable protection against the elements**
- **Perfect for wood, GRP, steel & aluminium**
- **Available in 1L, 2.5L & 5L**
- **Available in Black, Blue, Grey, Red & White**



Marine Matting Agent

Our Marine Matting Agent is an additive that allows the sheen level of all colours of Teamac Marine Gloss to be customised. Ideal for use where low glare is required such as boat roofs and interior head linings. When added to teamac marine gloss it is suitable for yachts, power boats, dinghies, narrowboats and many other marine applications . It can then be applied to suitably prepared wood, grp, steel, aluminium and ferro concrete.

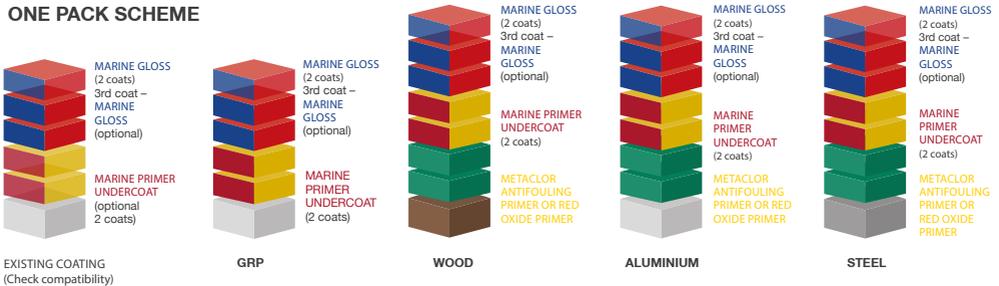
- Allows marine gloss sheen levels to be customized
- Use to produce a range of finishes matt, satin & semi-gloss
- Available in 500ml



TEAMAC TOPCOAT SYSTEMS

To achieve the optimum gloss finish, we recommend applying the full paint scheme to bare substrates.

ONE PACK SCHEME



TWO PACK SCHEME



See substrate preparation guidance before starting work.

SUMMARY CHART

PRODUCT NAME	COVERAGE RATE	THINNER REQUIRED	TOUCH DRY TIME / HARD DRY TIME	OVERCOATING TIME (MIN / MAX)	SUITABLE FOR ABOVE OR BELOW WATERLINE	APPLICATION METHODS	PACK SIZES AVAILABLE
 Marine Gloss	12m ² /litre	Thinners 14	4 hours / 12 hours	12 hours -	Above	Brush, Roller or A/spray	500ml 1L 2.5L 5L
 High Performance Marine Gloss	8m ² /litre	Thinners 14	3 hours / 16 hours	16 hours	Below	Brush or Roller	1L 5L
 Marine Satin Finish	13m ² /litre	Thinners 14	5 hours / 12 hours	12 hours	Above	Brush, Roller or A/spray	1L
 Boottopping	12m ² /litre	Thinners 14	4 hours / 12 hours	12 hours	Above	Brush or Roller	1L 2.5L 5L
 Marine Matting Agent	-	Thinners 14	-	-	Above	-	500ml
 Hull Blacking	12m ² /litre	Thinners 14	3 hours / 12 hours	12 hours	Below	Brush or Roller	1L 2.5L 5L 20L

HINTS AND TIPS

✓ The easiest way to apply gloss is by working as a team of two. One person can roll the gloss on and the second person can follow behind with a high quality brush to lightly tip the paint off, removing air bubbles and helping it to flow out.

✓ Sand each coat of gloss with progressively finer grade paper to ensure the smoothest finish. A third coat will make a big difference to the level of gloss and the opacity achieved.

✓ Stir the paint well before use, as transportation and storage can lead to minor separation of the components. Stirring will mix everything back together.

✓ Wet the ground around the boat so that you do not kick up excess dust as you paint. Clean the surrounding area to remove as much dust as possible before painting.

✓ Gently tack rag the cleaned surface to be painted before applying gloss, as a final measure, to remove any remaining dust particles on the surface.

✓ Decant paint into a paint kettle to avoid contamination in the tin.

✓ Avoid painting in damp conditions too early in the morning or late in the evening. Damp can cause clouding in your paint finish and hinder the drying process. A dry mid morning in late spring to late summer is an ideal time to get the job done, if painting outside.

✓ When painting with 2 pack it is always best to mix the entire contents of Part A with Part B in order that the correct mix ratio is used for the paint to cure fully. The pot life of High Performance Gloss is 6-8 hours at 20°C.



HOW MUCH TOPCOAT DO YOU NEED?

High Performance Marine Gloss Required for 2 Coats (LT)	LENGTH					
	5m / 16ft	7m / 24ft	9m / 30ft	11m / 35ft	12m / 40ft	15m / 50ft
TYPE OF VESSEL						
Motorboat	2.2	4.1	6.5	7.5	8.5	12.6
Sailing Yacht	2.2	4.1	6.5	7.5	8.5	12.6

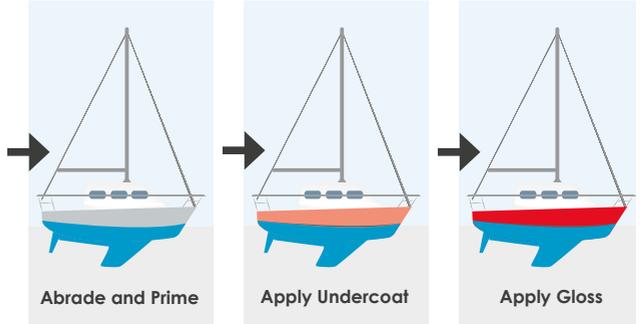
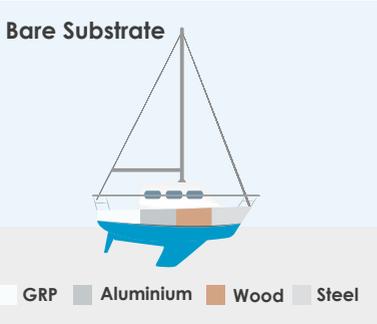
Marine Gloss Required for 2 Coats (LT)	LENGTH					
	5m / 16ft	7m / 24ft	9m / 30ft	11m / 35ft	12m / 40ft	15m / 50ft
TYPE OF VESSEL						
Motorboat	1.4	2.7	4.3	5.0	5.7	8.4
Sailing Yacht	1.4	2.7	4.3	5.0	5.7	8.4

Figures are an estimate only. For customised volumes please contact the technical department – 01482 320194



HOW TO APPLY TOPCOAT

What are you painting on?

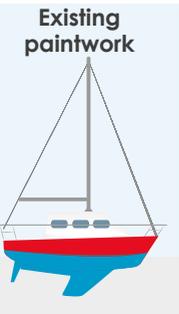


Do you want to use a 1 pack or 2 pack scheme?

Remember that you cannot apply a 2 pack paint over an existing 1 pack finish

1. Clean and abrade surface to achieve a good key
2. Apply correct number of coats as recommended in scheme guide
3. Fill imperfections between coats of primer with 2 pack polyester filler

Always carefully mask around areas to be painted.



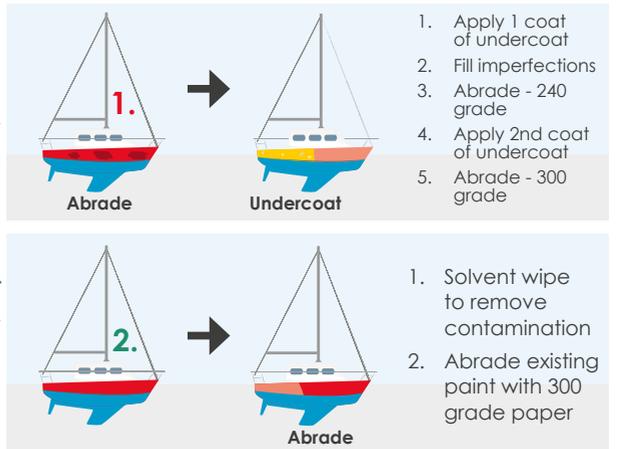
1 pack or 2 pack? GOLDEN RULE

Big colour change?

1. YES →
2. NO →

Existing paint in good condition?

1. NO →
2. YES →



HOW TO APPLY TOPCOAT

What are you painting on?



- Thoroughly wash surface to remove dust and any remaining contamination
- Mask edges of areas to be painted with low tack high quality masking tape

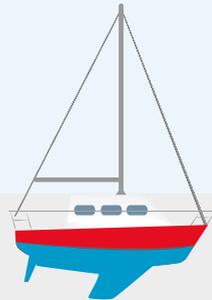
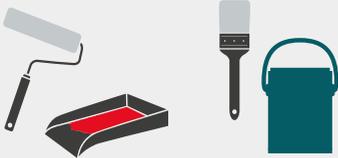
1. Abraded paint
2. Smooth Undercoat
3. Apply 1st Gloss Coat
4. Apply 2nd Gloss Coat

Gloss ready surface

1. Apply 1st coat of gloss
2. Abrade - 400 grade
3. Apply 2nd coat of gloss
4. Assess if required gloss finish has been achieved.
5. Abrade 400 grade
6. Apply 3rd coat of gloss

* WE RECOMMEND USING THE ROLL AND TIP METHOD

- 4 inch high density foam roller
- Smooth with synthetic split end bristle or foam brush



Apply 3rd Gloss Coat

- Enjoy your high gloss finish whilst you are out on the water
- Remember that you should remove bird droppings as soon as possible to avoid staining
- Leave paint for at least 6 months before polishing and waxing to maintain the finish

ALWAYS WEAR CORRECT PPE - SEE P32



Eye wear



Dust mask



Gloves



Boilersuit

Suregrip® Anti-Slip Deck Paint

Our Suregrip® Deck Paint is a High-Quality, Durable Anti-slip deck paint improving safety in both wet and dry conditions. Suitable for yachts, power boats, dinghies, narrowboats and many other marine applications. It provides a rough surface that can be applied to suitably primed and prepared wood, grp, steel and aluminium.



- Ready mixed anti-slip deck paint
- Provides superior grip in marine environments
- Available in 1L, 2.5L & 5L



**Buttermilk, Yellow, Red, Green, Light Grey, Grey,
Cornflower Blue, Black & White.**



BILGE, CABIN & LOCKER PAINT

Boats contain many dark, hard to reach corners. Deep in the bilge, a complex mix of oil, fuel and other chemicals may be swirling around that risk damaging your hull. It takes a special coating to protect the inside of your hull.

Bilge & Locker Paint

Our Bilge & Locker Paint is durable, chemical & oil resistant with an easy to clean gloss finish. It can be used to brighten dark spaces. Suitable for yachts, power boats, cruisers and narrowboats.

- **Chemical and oil resistant**
- **Easy to clean**
- **Perfect for wood, GRP, steel & aluminium**
- **Available in 1L, 2.5L & 5L**
- **Available in Red, Green, Grey, Black & White**

AVAILABLE
IN RED!



Teamalak Interior Satin/Gloss Varnish

Our Teamalak Interior Varnish is a high-quality, tough, clear wood finish. Suitable for yachts, cruisers and narrowboats. It can be used on doors, lockers, galley work surfaces and all other wooden interior surfaces.

- **Beautiful lustrous clear satin/gloss finish**
- **Easy to use formulation**
- **Perfect for all interior wooden surfaces**
- **Available in 500ml**



HINTS AND TIPS

- ✓ **Dry and degrease bilges before painting. Surface contamination may cause adhesion issues and premature failure.**
- ✓ **Always apply Bilge & Cabin Paint in thin coats and never pour it on.**





Galley Paint

Our Teamac Galley Paint has been designed to reduce condensation forming on interior surfaces. It's lightly textured surface can be over painted with other Teamac Marine products to provide colour. Suitable for yachts, cruisers and narrowboats. It can be used in galleys, heads, cabins, ceilings and any area where condensation may form.

- **Specifically designed to reduce condensation**
- **For cabin walls, bulkheads and ceilings**
- **Perfect for all interior surfaces**
- **Available in 1L**



Trawlak Fishroom Preservative

Our Trawlak Fishroom Preservative is a shellac based, traditional coating for the fishing industry. Its incredibly quick drying formulation seals wood with an attractive hard amber finish. Knot resistant formulation seals in stains. Suitable for all types of wood and steel. It can be used on walls of trawler fish rooms, wooden fish crates and pallets.

- **Traditional fish room coating & sealer**
- **Fast drying shellac based formulation**
- **Perfect for wood & steel**
- **Available in 5L**

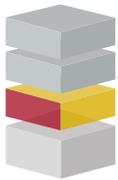


SUMMARY CHART

PRODUCT NAME	COVERAGE RATE	THINNER REQUIRED	TOUCH DRY TIME / HARD DRY TIME	OVERCOATING TIME (MIN / MAX)	SUITABLE FOR ABOVE OR BELOW WATERLINE	APPLICATION METHODS	PACK SIZES AVAILABLE
 Bilge & Locker Paint	10 m ² /litre	Thinners 14	2 hours / 8 hours	8 hours +	Above	Brush or Roller	1L 2.5L 5L
 Teamalak Interior Satin/Gloss	14 m ² /litre	Thinners 14	2 hours / 12 hours	12 hours +	Above	Brush or Roller	500ML
 Trawlak Fishroom	11 m ² /litre	proprietary Methylated Spirit	10 min / 3 hours	3 hours +	Above	Brush or Roller	5L
 Galley Paint	9 m ² /litre	Water	2 hours / 4 hours	4 hours +	Above	Brush or Roller	1L

BILGE & CABIN PAINT SYSTEMS

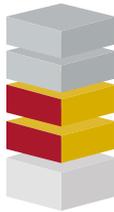
ONE PACK SCHEME



EXISTING COATING

BILGE & LOCKER PAINT (2 coats)

MARINE PRIMER UNDERCOAT (optional for cabin areas)



GRP

BILGE & LOCKER PAINT (2 coats)

MARINE PRIMER UNDERCOAT (2 coats optional for cabin areas)



WOOD

BILGE & LOCKER PAINT (2 coats)

MARINE PRIMER UNDERCOAT (optional for cabin areas)

MARINE WOOD PRIMER (1st coat thinned 25%, 2nd and 3rd coats normal)

See substrate preparation guidance before starting work



ALUMINIUM

BILGE & LOCKER PAINT (2 coats)

MARINE PRIMER UNDERCOAT (optional for cabin areas)

METACLOR ANTIFOULING PRIMER (2 coats)



STEEL

BILGE & LOCKER PAINT (2 coats)

MARINE PRIMER UNDERCOAT (optional for cabin areas)

METACLOR ANTIFOULING PRIMER (2 coats)

VARNISHES & OILS

More questions are asked about varnishing than any other boat coating project. Getting it right can make the difference between long lasting protection and shine, or rapid breakdown of the varnish scheme and subsequent damage to the wood substrate.

Teamalak Yacht & Seaplane Varnish

Our Teamalak Yacht & Seaplane Varnish is a High-Quality, Traditional High Gloss, UV resistant Marine Varnish. It enhances all Marine woodwork both inside and out. It can also be used over existing paintwork to increase the Gloss Finish. Suitable for Yachts, Power Boats, Dinghies, Narrowboats, other Marine Structures and Seaplanes. It can be applied to suitably prepared Wood surfaces.

- High gloss UV resistant varnish
- High quality traditional marine varnish
- Available in 500ml, 1L, 2.5L & 5L



Teamalak Siliconised Teak Oil

Our Teamalak Siliconised Teak Oil is a high-quality blend of natural oils and silicone. Its deep penetrating formula enhances, restores and preserves the appearance of teak and other hardwoods. Suitable for yachts, power boats, dinghies, narrowboats and many other marine applications. It can be applied to suitably prepared teak & hardwood.

- Enhance, restores and preserves
- Deep penetrating water resistant formula
- Perfect for teak and other hardwoods
- Available in 1L



Teamalak High Performance Varnish

Our Teamalak High Performance Marine Varnish is our most durable marine varnish. It is a two pack polyurethane coating that can extend the lifespan of your boat providing outstanding scratch resistance and uv protection. It's easy to clean finish assists fungal and algae growth removal. Suitable for yachts, power boats, dinghies, narrowboats, cruisers, commercial vessels and many other marine applications . It can be applied to suitably prepared wood, steel & correctly prepared aluminium* (it cannot be applied directly to existing solvent based coatings).

- Scratch resistant mirror finish
- Long lasting protection from UV light
- Perfect for all types of wood
- Available in 1L & 5L



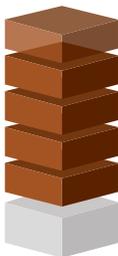
SUMMARY CHART

PRODUCT NAME	COVERAGE RATE	THINNER REQUIRED	TOUCH DRY TIME / HARD DRY TIME	OVERCOATING TIME (MIN / MAX)	SUITABLE FOR ABOVE OR BELOW WATERLINE	APPLICATION METHODS	PACK SIZES AVAILABLE
Teamalak Yacht & Seaplane Varnish 	14 m ² /litre	Thinners 14	6 hours / 12 hours	12 hours +	Above	Brush, Roller or Spray	500ml 1L 2.5L 5L
Teamalak High Performance Varnish 	8 m ² /litre	Teamac High Performance Finish Thinners 7	4 hours / 24 hours	24 hours / 5 days	Above	Brush or Roller	1l 5L
Teamalak Siliconised Teak Oil 	7 m ² /litre	Thinners 14	8 hours / 24 hours	24 hours +	Above	Brush, Cloth or Spray	1L

VARNISH SCHEMES

To achieve the optimum gloss finish, we recommend applying the full varnish scheme to bare substrates.

ONE PACK SCHEME



EXISTING COATING

TEAMALAK YACHT & SEAPLANE VARNISH (4 coats)
(subsequent coats optional)



WOOD

TEAMALAK YACHT & SEAPLANE VARNISH (1st coat 50% thinner)
TEAMALAK YACHT & SEAPLANE VARNISH (2nd coat 25% thinner)
(3rd - 6th coats at 100%)
(subsequent coats optional)

See substrate preparation guidance before starting work

PREPARATION & THINNERS

We have a matching thinner for each of the paint products in the Teamac range. Thinners assist in getting the best finish in varying application conditions. A small amount of thinner mixed in to the paint can improve flow and reduce the potential for brush marks. Also use them to clean up your valuable equipment for future use.

Thinners 14 for use with all single pack above water products/white spirit

Thinners 17 for use with Antifouling Paint.

Thinners 16 for use with Metaclor Antifouling Primer

Thinners 39 for use with High Performance Marine Primer

Thinners 7 for use with High Performance Varnish and High Performance Marine Gloss.

Rust Converter

For use on iron and steel surfaces where all rust cannot be removed. Will stop the rusting process and allow for the surface to be overcoated.

- **Low sheen finish**
- **Suitable for metal surfaces**
- **Available in 250ml & 2.5L**

Mordant Solution

A pre-treatment to etch galvanised steel and zinc treated surfaces. Promotes good adhesion for subsequent coatings. Will turn the surface black.

- **For metal**
- **Available in 5L**

HINTS AND TIPS

- ✓ Thin the first and second coats with 50% then 25% thinners to allow the varnish to soak deep into the wood.
- ✓ Always apply a minimum of 4 full coats of varnish. Professionals apply upwards of 8 coats for the deepest gloss.
- ✓ Sand each coat of varnish with progressively finer paper. For a mirror finish, the surface should be sanded with 600 grade paper before applying the final coat.



SUBSTRATE PREPARATION GUIDANCE

Common construction substrates found on boats & yachts are GRP, Steel, Wood and Aluminium. Each of these requires appropriate preparation to ensure that the paint system applied delivers the best result.

Painting onto an un-prepared surface creates a **high risk** of premature paint scheme failure.

GRP

Glass reinforced plastic is created by infusing sheets of glass fibre with a polyester or epoxy resin. It is the boat construction substrate which requires the least maintenance. It does not corrode or rot, but can suffer from osmosis, star crazing or pin holing if construction defects are present.

Mould release agents and other contaminants need to be removed prior to any painting taking place. This can be achieved by wiping with acetone and then washing with soapy water.

GRP should be initially abraded with 180-220 grade paper to create a good key for the paint scheme to adhere to.

Steel

Steel suffers from oxidation (rusting) when exposed to moisture and oxygen.

As well as the risk of oxidation, unpainted steel may still be covered with mill scale which can cause coatings adherence issues. This should be removed either by professional blasting or mechanical abrasion with a grinder to achieve a clean and suitably prepared surface profile.

All surfaces should be degreased prior to being abraded to remove contamination and then thoroughly cleaned of dust and debris before painting. The first coats of primer must be applied as soon after preparation as possible to avoid flash rusting.

HINTS AND TIPS

- ✓ Test if your existing coating is a 1 or 2 pack with the 2 pack thinners 39. Soak a rag, tape it to the coating in question for 45 minutes. Repeat this procedure. If the paint has softened or blistered, it is 1 pack. If it remains hard, it is likely to be a 2 pack.
- ✓ With the exception of the first coats of product onto wood, never thin paint by more than 10%. This reduces the film thickness and can have a detrimental effect on the product characteristics, life span and quality.
- ✓ Never thin antifouling as this massively reduces effectiveness. Always apply the correct volume.



Wood

As a natural substrate wood can decay rapidly when microscopic organisms attack and feed from its structure. A loss of structural integrity in a boat hull can have catastrophic consequences.

Oily wood should be thoroughly degreased before coating. Prior to priming, wooden substrates should be abraded in the direction of the grain with 180-220 grade paper to create a good key. However, prior to varnishing 240 grade paper should be used, to avoid visible scratch marks.

It is recommended that the first coat of primer is thinned by 25%, or the first coat of varnish by up to 50%, to allow them to soak deep into the wood fibres, creating a strong foundation for further coats.



Aluminium

Aluminium is a light weight metal that oxidises rapidly on the surface, but does not corrode in the same way as steel, meaning it can be difficult to initially spot. Galvanic corrosion of aluminium is also a risk in the marine environment so only fittings and antifouling which is compatible should be used below the waterline.

The surface must be thoroughly degreased and ideally either professionally blasted or mechanically abraded with a grinder to create an appropriately keyed surface profile. Aluminium oxide grit or disks should be used and scratch marks be clearly visible after abrasion. If this is not possible then Aluminium can be treated with an acid etch or mordant solution to chemically etch the surface after thorough degreasing. Following treatment the surface should be washed with clean water to remove all traces of un-reacted Mordant Solution. All preparation dust should be cleaned from surfaces and surrounding areas prior to painting.

Initial coats of primer should be applied as soon as possible after preparation to minimise further oxidisation.

HEALTH AND SAFETY GUIDANCE

Extreme care should be taken when using marine paints to avoid harm to yourself, others around you and the wider environment. Always read the product label, the data sheet and the safety data sheet before using any paint product. If unsure always seek further advice.

Personal protective equipment should be used to avoid any chemicals coming into contact with your skin, or being accidentally ingested/inhaled. It is recommended that the following are used. The quality and type required depend on the product being applied.



Gloves



Mask



Overalls



Goggles

Two pack products should only be applied by professional applicators. When spraying, air fed hoods with a fresh air supply should be used to avoid breathing in harmful atomised paint.

All waste material, including debris from paint removal should be collected and disposed of in accordance with local guidelines.

Always ensure there is good ventilation when painting interior spaces, particularly in the bilge and other confined spaces.

If in doubt as to the suitability of equipment for your project, or if you have any health and safety concerns you should consult the Teamac technical department for advice before continuing. If paint comes into contact with your skin or you accidentally inhale or ingest paint, consult the safety data sheet and seek appropriate medical advice.

This information is for basic guidance only and should not be taken as exhaustive. The safety of yourself and those around you is your responsibility and it is important that you fully research and understand the safety precautions for your specific project.

COMMON PRODUCT SAFETY LABELS

A number of common warning symbols are found on chemical products. They highlight the presence of a hazardous chemical and help the user to understand the risks to people and the environment when the product is not used correctly. Not all of these will be found on our products, but appropriate caution should be taken when using products labelled with any of these symbols. They are provided to help protect you from harm. If you are in any doubt as to how to use or handle a product labelled with any of these symbols, please phone our technical department on 01482 320194.



Oxidising



May cause serious damage to health



Explosive



Corrosive/skin burns & eye damage



Hazardous to the environment



Harmful if swallowed, in contact with skin or eyes or inhaled



Gas under pressure



Flammable



Acute toxicity

HISTORY

Our parent company is Teal & Mackrill Ltd. Mr Arthur Teal, Mr Hugh Graham and Mr Harold Mackrill established the company in 1908. Mr Graham died in the 1st World War and Mr Teal left the company in 1941 at the age of 73, leaving the Mackrill family in charge. Director Geoff Mackrill is the third generation of the Mackrill family running the business. In 2019 Geoff's daughter Frances Mackrill also joined the company and is now working within the Technical Team.

Today, Teal & Mackrill is held in high regard for its high quality specialist marine and industrial paints. The company supplies these coatings under the Teamac and Coo-Var brands throughout Europe. The company also has a substantial own branding division to meet demands for custom bespoke products from a number of leading household names. With products now more vibrant-looking and more eye-catching than ever before, the rebrand reflects Teamac's forward-thinking attitude and desire to be Britain's leading marine paint manufacturer, providing industry and consumers with innovative products, with reduced environmental impact.

Teal & Mackrill has achieved both the ISO 9001 and ISO 14001 Quality and Environmental standards. The dedication to develop and manufacture in a sustainable manner has also been recognised with a British Coatings Federation Environmental Award.

We manufacture and distribute Teamac products from the Lockwood Street site in Hull, UK. Business improvement and development is a continuous process for us, in order to maintain and enhance the R&D and manufacturing facilities, ensuring their ability to meet rising demand and to always manufacture using the most up to date, modern processes.



NOTES



NOTES



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