Micron ReGen
Fouling Control

PRODUCT DESCRIPTION

Micron ReGen is a premium Active Surface Coating (ASC) for underwater hulls. Its innovative technology continuously renews the coating surface during immersion, delivering year-long fouling control while helping to minimise coating build-up and maintain a smooth hull surface. Micron ReGen is a biocide-free coating designed to deliver consistent performance throughout the season.

PRODUCT INFORMATION

Colour	YBF400-White, YBF401-Red, YBF403-Navy, YBF404-Black , YBF406-Grey
Finish	Semi Gloss
Specific Gravity	1.15
Volume Solids	55%
Typical Shelf Life	3 yrs
VOC (As Supplied)	399 g/lt
VOC (EU Solvent)	357 g/Kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)
Unit Size	750 ml, 2.5 Lt

DRYING/OVERCOATING INFORMATION

Drying

	5°C (41°F)	15°C (59°F)	25°C (77°F)	35°C (95°F)
Touch Dry	3 hrs	2 hrs	2 hrs	60 mins
Immersion	24 hrs	24 hrs	24 hrs	24 hrs

Note: Bare minimum time before immersion is 8 hours. For best practice we recommend 24 hours, this will lower the possibility of leaving sling or trailer wheel marks on the coating. Maximum immersion time is 4 months.

Higher film thicknesses will result in longer dry time and the coating will remain soft for longer.
Only pour the quantity that is required into the roller tray and keep the lid tightly closed on the tin to preserve the remaining product.

Overcoating

Overcoated By	Substrate Temperature 5°C (41°F) Min	5°C (41°F) Max	15°C (59°F) Min	15°C (59°F) Max	25°C (77°F) Min	25°C (77°F) Max	35°C (95°F) Min	35°C (95°F) Max
Micron ReGen	4 hrs	1 mths	2 hrs	1 mths	2 hrs	1 mths	2 hrs	1 mths

Note: Please consult with your local representative for maximum with sanding.

APPLICATION AND USE

Preparation

PREVIOUSLY PAINTED SURFACES WITH TRADITIONAL BIOCIDAL ANTIFOULING:
In Good Condition: All fouling and contamination must be thoroughly removed. Use high pressure fresh water wash (3000 psi/207 bar) and/or scraping and wet sanding with typically 80-120 grade paper. VC 17m or coatings containing PTFE MUST be wet sanded with typically 80-120 grade paper. Do not dry sand. Seal with B-Free Conversion Coat, prior to application of Micron ReGen.
In Poor Condition: Remove all antifouling and other loosely adhering and flaking material, feather back all edges and wet sand all areas. Areas taken back to substrate should be treated as recommended for substrates detailed below. Sealing with B-Free Conversion Coat is only required for VC 17m & PTFE coatings. For aged biocidal antifouling in good condition, Micron ReGen can be applied direct.
PREVIOUSLY PAINTED SURFACES WITH Micron ReGen:
In Good Condition: All fouling and contamination must be thoroughly removed. Aged Micron ReGen must be high pressure fresh water washed thoroughly immediately after being removed from immersion, regardless of how much fouling is visible on the coating. Use high pressure fresh water wash (3000 psi/207 bar) and/or scraping and wet sanding with typically 80-120 grade paper. Micron ReGen can be applied direct to self.
In Poor Condition: Remove all antifouling and other loosely adhering and flaking material, feather back all edges and wet sand all areas. Areas taken back to substrate should be treated as recommended for substrates detailed below.
BARE WOOD/PLYWOOD: Sand smooth with 80-180 and then 280 grade paper. Remove sanding dust by brushing, dusting and wiping. If wiping with solvent then allow to dry completely before applying primer. Prime using Interprotect as detailed for specific coating systems prior to application of Micron ReGen.
STEEL: Degrease with solvent, Super Cleaner or a suitable liquid detergent.. Gritblast to Sa 2½ - near white metal surface. If gritblasting is not possible, grind the metal surface with 24-36 grit abrasive discs to a uniform, clean, bright well roughened metal surface 50-75-microns anchor pattern. Use angle grinder on small areas. Clean thoroughly and

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	allow to dry completely. Prime using Interprotect as detailed for specific coating systems prior to application of Micron ReGen. **ALUMINIUM**: Degrease with solvent, Super Cleaner or a suitable liquid detergent. Sand well using 24-120 grade (aluminium compatible) paper. Coarser grades are recommended to achieve optimum adhesion. Clean thoroughly and allow to dry completely. Prime using Interprotect as detailed for specific coating systems prior to application of Micron ReGen. **ZINC/GALVANISED STEEL**: Degrease with solvent or a suitable liquid detergent. Sand well using 60-120 grade paper. Clean thoroughly and allow to dry completely. Prime using Interprotect as detailed for specific coating systems prior to application of Micron ReGen. **GRP/COMPOSITES/BARE LAMINATES**: Degrease with solvent, Super Cleaner or a suitable liquid detergent. Sand smooth with 80-120 grade paper. Clean thoroughly and allow to dry completely. Prime using Gelshield 200 as detailed for specific coating systems prior to application of Micron ReGen. When treating the bare fiberglass from osmosis, use Gelshield Plus prior to application of 1st coat of epoxy primer. **GELCOAT (new and sound condition):** Degrease with solvent or a suitable liquid detergent (for example International Super Cleaner i.c.w. fresh water). Sand well using 180-220 grade paper. If any filling or repairs required, sand Gelcoat with 60 – 80 grade paper in area affected affected and make a local repair as prescribed. Clean thoroughly and allow to dry completely. Prime using Gelshield 200 as detailed for specific coating systems prior to application of Micron ReGen. Note: Do not apply Gelshield Plus direct to gelcoat. **LEAD**: Degrease with solvent or a suitable liquid detergent. Sand well using 120 grade paper or power wire brush. Clean thoroughly and allow to dry. Prime using Interprotect as detailed for specific coating systems prior to application of Micron ReGen.
Hints	**Mixing**: Thoroughly stir until product is mixed to a uniform consistency before use. **Thinning**: Thinning is only necessary in case of premature skinning; Up to 10% of Thinner No.3 can be added to improve application and drying in low temperature / windy conditions. **Cleaner**: YTA085 International Antifouling Thinner No.3. Ensure equipment is thoroughly cleaned after use to prevent silicone contamination. **Ventilation and Humidity Control**: Ensure adequate ventilation during use. **Airless Spray (Professional only)**: Pressure: 176-210 bar/2500-3500 psi. Tip Size: 0.33-0.43 mm/13-17 thou..
Some Important Points	To prevent premature failure, ensure the correct amount of paint is applied using the coverage as a guide. Product temperature should be minimum 5°C/41°F and maximum 35°C/95°F. Ambient temperature should be minimum 5°C/41°F and maximum 35°C/95°F. Substrate temperature should be minimum 7°C/45°F and maximum 35°C/95°F. If you are regularly travelling at high speed (eg 20 knots) you might experience early wear through and an additional coat of Micron ReGen should be applied. Consult your local International Paint Representative for further advice if you are unsure about the suitability of Micron ReGen for your specific requirements. Care should be taken to avoid contamination of other surfaces and paints. This can be managed by ensuring proper masking is carried out and equipment is thoroughly cleaned immediately after application. Ideally, separate equipment should be reserved for use with Micron ReGen to reduce the risk. Micron ReGen is not intended for mid-season cleaning. If cleaning is deemed necessary, then use a non-abrasive cloth or pad and take care not to remove the coating. The coating is designed to wear away over time, so excessive cleaning could lead to reduced performance over time. If the boat is to be removed from the water for an extended period, fouling and contamination should be removed from the aged Micron ReGen by high pressure fresh water washing immediately after being removed from immersion. Use high pressure freshwater wash (3000 psi/207 bar). Take care not to remove the remaining Micron ReGen as this could lead to reduced performance upon re-immersion. Prior to re-immersion, hydrate the aged Micron ReGen with fresh water using a low-pressure hose to activate the surface.
Compatibility/Substrates	For use over suitably primed GRP, Wood, Steel/Iron, lead and aluminium. Use over Interprotect, Gelshield 200 or B-Free Conversion Coat only. DO NOT APPLY OVER 1 COMPONENT PRIMERS OR DIRECTLY OVER PRIMOCON. Not suitable for use on propellers. Not suitable for application/use on hypalon and PVC tubes. Not suitable for use over existing silicone systems including B-Free Explore. Consult your local International Paint representative for specific overcoating advice if you are unsure about compatibility of Micron ReGen over your existing coating scheme.
Number of Coats	**By Brush/Roller**: Apply 2 coats of 52 microns dry **By Spray** (Professional only): Apply 1 coat of 100-160 microns dry In all schemes, apply an extra stripe coat in areas of high wear such as chines, rudders, sterngear and any leading edges.
Coverage	**By Brush/Roller**:

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	(Theoretical): 10 m²/L per coat at 100 microns WFT (Practical): 6 m²/L per coat at 100 microns WFT **By Spray (Professional only)**: (Theoretical): 5 m²/L per coat at 200 microns WFT (Practical): 3 m²/L per coat at 200 microns WFT (Theoretical): 3.3 m²/L per coat at 300 microns WFT (Practical): 2 m²/L per coat at 300 microns WFT
Recommended DFT per coat	52 microns dry per coat by brush/roller 100-160 microns dry per coat by spray
Recommended WFT per coat	100 microns wet per coat by brush/roller 200-300 microns wet per coat by spray
Application Methods	Airless Spray (Professional only), Brush, Roller Short pile mohair rollers are recommended for the application of Micron ReGen; foam rollers are not recommended.

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	**STORAGE:** Exposure to air and extremes of temperature should be avoided. For the full shelf life of Micron ReGen to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35°C/95°F. Keep out of direct sunlight. **TRANSPORTATION:** The product should be kept in securely closed containers during transport and storage.
Safety	**GENERAL:** Read the label safety section for Health and Safety Information, also available from our Technical Help Line. Always use gloves and goggles and keep skin protected with overalls. Users should ensure they have a copy of the Material Safety Datasheet for this product and that they are familiar with all the safety directions before use. **DISPOSAL:** Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Remainders of this product cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.
IMPORTANT NOTES	*The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.*

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