

Technical Data Sheet – PropOne™ Underwater Light Coating (ULC)

Description

ULC is a one pack, one coat optically clear Foul Release Coating designed for application to glass and polyamide underwater light lenses. It can also be coated onto surrounding brass and plastic/composite light fitting surrounds.

The ULC is a non-biocidal, low surface energy coating which prevents organisms strongly adhering to the light lens. Any growth can be easily dislodged by cleaning with a soft sponge or wiping with a gloved hand.

As with all foul release coatings, when not in use, the surface will slowly become colonised by encrusting organisms. The removal of the fouling organisms is purely a mechanical effect.

The ULC does not prevent marine growth by chemically poisoning the environment.

Coverage

A 70ml tin is sufficient to coat ~.7m² of underwater light lens area

Technical Data: Clear Coat

Appearance & Odour	Clear - Strong aromatic
Specific gravity	1.01
Boiling point	135 - 155°C
Melting point	N/A
Volatile volume	16%
Evaporation rate	Slower than ether
Vapour density	Heavier than air
Solubility in water	Immiscible
Volatile Organic Compounds (theoretical - as packaged)	130 g/L
pH	N/A
Flashpoint	30°C

Miscellaneous Product Information

Note: Do not apply to anodes.

Time to immersion* at 55% RH:
 At 10°C (50°F): 16 hours, at 20°C (68°F): 12 hours.
 * Lower temperatures or humidity will extend cure time. Minimum application conditions: 10°C (50°F), 55% RH.

Method Statement – PropOne™ System

Surface Preparation¹

It is essential that proper surface treatment be undertaken prior to application. Failure to prepare the surface or apply the ULC correctly will likely lead to product failure and/or a reduction in the service life of the product

1. Surface Preparation

Remove foreign matter by one or a combination of the following:

- Brush with stiff fibre brushes.
- If heavy shell fouling is present on light surface, clean with Greencorp Marine Hull and Waterline Cleaner.
- Grease and oil can be removed with a sponge using a 1:50 dilution of Crystilium Boat Wash in water.
- Finally wash down with high pressure fresh water hose and allow to dry completely.
- Wipe with a clean cloth soaked in acetone.

2. Inspection

Inspect all cleaned surfaces for any contaminates. Any areas that are deemed unsatisfactory need to be corrected before any coating is applied. Immediately apply the ULC once the light lenses to be coated has been cleaned and dried.

Application of the ULC System

1. ULC application:

Apply the ULC using a brand new soft clean brush. Apply generously, working from the centre to the edges. Cover all areas of the light lens and any surrounding brass or plastic/composite fitting working systematically to cover all of each lens before moving to the next lens. Apply one coat only. Check for runs and drips, these can be brushed out for up to five minutes before the coating begins to cure.

Do not allow anything to come into contact with the uncured ULC until it has cured for a minimum of 12 hours.

¹ Derived from SSPC-SP 1, Surface Preparation Standards and Specifications - Solvent cleaning standard.

Clean up Procedure:

- Brush used can be cleaned with Xylene and reused if desired but do not re-use for any coatings other than ULC.

Thoroughly review product label and Safety Data Sheet (SDS) for safety and cautions prior to using this product. Follow manufacturer's safety recommendations when using any solvent.

Disclaimer

While every precaution is taken to ensure that all information furnished in this method statement is as accurate, complete, and useful as possible, Greencorp Marine cannot assume responsibility nor incur any obligation resulting from the use of any materials, coatings, or methods specified herein.

This method statement does not attempt to address problems concerning safety associated with its use. The user of this method statement, as well as the user of all products or practices described herein, is responsible for instituting appropriate health and safety practices and for ensuring compliance with all governmental regulations.