Product Data Sheet
Awlcoat TPC
WP101

Intended Uses
Awlcoat TPC is a water-based protective coating, providing a temporary peelable layer to guard surfaces against scuffing, abrasion and other damage. The tough film also protects from contamination such as acid rain, fly rust, sanding dust and overspray, making it a great solution for boat building or refitting.
* Temporary peelable coating, easy to remove
* Guards against a variety of damage and abrasion
* Prevents contamination such as overspray, acid rain and sanding dust

Specification Data

Volume Solids	50%
Available Packs	5 US Gallon
Equipment Cleaning	T0002, Water
Typical Shelf Life	3 years

Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Air Atomized	1	200 µm 7.9 mil	100 µm 3.9 mil	125 µm 4.9 mil	5 m²/lt 203.7 ft²/Gal
Brush	4	80 µm 3.1 mil	40 µm 1.6 mil	50 µm 2 mil	12.5 m²/lt 509.3 ft²/Gal

A minimum of 3 mils (75 microns) is recommended to ensure easy removal. To increase resilience to wear damage (abrasion, etc) a higher film build is recommended (5-10 mils/ 125 -250 microns dry film thickness). This may require a two coat application.
Note: Higher film builds are easier to remove.

Brush application is suitable for small areas only.

Coverage calculations are based on theoretical transfer efficiency of 100%. Actual coverage rate obtained will vary according to equipment choice, thinning, application techniques, part size and application environment.

VOC
All VOC information contained herein is theoretical (unless otherwise stated). Actual VOC content may vary by batch from one color to another and when tested via standard test methodology.

Product	As Supplied (without reducer)			
	g/L	lb/gal	g/Kg	lb/lb
Awlcoat TPC	55	0.46		

Surface Preparation
The surface preparation advice provided, and equipment suggestions, can be used as a guide. Preparation techniques and results will vary according to individual conditions, equipment choice/condition and other factors. Testing on a non-critical area should be carried out prior to full-scale preparation.

Awlcoat TPC is suitable for application over Awlgrip and Awlcraft 2000 topcoats. It is important that the coating materials have undergone sufficient cure to ensure properties such as gloss and colour are not affected by the application of Awlcoat TPC. The surface of Awlgrip or Awlcraft 2000 should be clean, dry (cured) and free from contaminants. Use masking tape to protect adjoining surfaces from overspray and 'feather edges' that would be difficult to peel. Mask off areas such as deep joint seams and channels that may create a mechanical keyway into which the coating will lock. Awlcoat TPC can wrap around sharp edges but due to limited film build on such edges this may prove more difficult to peel. Therefore, mask the sharp edges prior to application. Plastic masking tape (3M's Fine Line) is recommended as this material doesn't react with the water content in the wet film.
Do not apply over bare wooden substrates or in tight corners.

Mixing & Reduction
Awlcoat TPC is a single component coating and should be mixed thoroughly prior to application. A power agitator will aid the mixing process. Do not reduce Awlcoat TPC.

Mixing and reduction requirements will vary according to individual conditions, climate, equipment choice/condition and other factors. Mixing and application of a small sample before full-scale application is recommended.

Application
Allow Awlgrip and Awlcraft 2000 topcoats to cure for a minimum of two cure cycles (96 hours at 77ºF/25ºC). Ensure the surface is clean from contaminants. The product is water-based and good air flow is therefore encouraged. Apply Awlcoat TPC to the recommended film thickness as detailed in the application guide. For best result aim for a smooth, continuous film and avoid sags or other defects as in warmer climates this could result in a ‘print through’ effect on the finish. For additional protection a second coat should be applied after 20 minutes or when it is touch-dry.
Overspray will not peel off but can be removed with a damp cloth or wiped off using alcohol. You can recoat overspray to build film thickness then peel off.
Awlcoat TPC has a tendency to develop a level of ‘sticking’ when pressed against another surface or itself. This should be taken into consideration when stacking coated material. Placing heavy items on top of Awlcoat TPC could leave an imprint in substrate underneath.

Please refer to your local representative or visit www.yacht-paint.com for further information.

Masking tape should ideally be removed from edges when the product is still wet.

In high wear areas, the surface can be reinforced by placing lint free cloths in-between the first and second coats. Ensure the cloth is fully wetted out. It is best practice to roll the product on over the top.

During application keep spray gun aircap clean with water and brush. It is good practice to filter Awlcoat with mesh(60) screen prior to application.

Note: Due to the wide variety of application methods, environments & expectations, customers should test the complete system for compatibility & suitability under their own conditions prior to full scale application. DO NOT APPLY OVER UNPAINTED GELCOAT, POLYCARBONATES, GLASS OR WOOD.

Removal

Once dry, Awlcoat TPC can easily be removed by grasping the edge of the film and peeling it off the surface. Thicker areas will dry slower. If product is removed before it is completely dry the peel characteristics will be compromised. On rare occasions Awlcoat TPC may leave a very light haze on the topcoat surface. Frequently this haze self-corrects over a 24hr period or shorter, especially if exposed to sunlight. In other examples a wet cloth is needed to remove the effect.

Disposal: Once removed, Awlcoat TPC can be compacted by hand (using gloves) to reduce waste volume and the product should be disposed of in accordance with appropriate regional regulations.

Application equipment and parameters are given as a guide. Actual equipment choices will vary according to application conditions, equipment condition and other factors. Testing on a non-critical area should be carried out prior to full-scale application. Contact your local technical service representative for further advice if necessary.

Application Methods	Fluid Tip	Fluid Pressure	Fluid Flow Rate	Air Pressure
Air Atomized	1.80 - 2.20 mm 71 - 87 thou	-	220 - 280 cc/min	1.6 - 1.8 bar 23 - 26 psi

Recoatability & Drying Times

The data given for recoatability is not exhaustive. Actual recoatability can vary according to individual conditions, climate and surroundings. If unsure, consult your local technical service representative before proceeding.

Drying	15°C (59°F)	25°C (77°F)		
Touch Dry	60 Minutes	20 Minutes		

High humidity will extend the dry time.

Peel time* (at 55 - 104ºF/13 - 40ºC) : 1 hour. Awlcoat TPC should not be left on the painted surface for more than 4 months.

*This is the minimum time required in which sufficient film strength has developed to facilitate the peeling process. Peel times beyond those quoted will allow further film strength development to take place and subsequently improve peeling efficiency.

Do not apply other Awlgrip products over Awlcoat TPC.

Overcoated By	15°C (59°F)		25°C (77°F)					
	Min	Max	Min	Max				
Awlcoat TPC	30 Minutes	Extended	20 Minutes	Extended				

Warning Notes

Do not apply paint materials to surfaces less than 3°C (5°F) above dew point, or to surfaces warmer than 41°C (105°F). Awlcoat TPC is water-based and should be kept from freezing. Due to the fast drying nature of Awlcoat TPC , keep container closed when not in use as it is prone to skinning.

The information in this Product Data Sheet is not intended to be exhaustive. Any person using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk and, to the extent permitted by law, we can accept no responsibility for the performance of the product or for any loss or damage arising out of such use. The information contained in this Product Data Sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Please refer to your local representative or visit www.yacht-paint.com for further information.