

Product Data Sheet

Quick Build Surfacer



Intended Uses

Quick Build Surfacer is a versatile three-component fast drying polyurethane primer for use in quick and sanded schemes while maintaining an outstanding Awlgrip finish. Using just six colored bases, Quick Build Surfacer can closely match any topcoat color and greatly reduces the number of coatings required to produce an Awlgrip finish.

Specification Data

Volume Solids	38% (mixed product)
Available Packs	White and Black Base - 1 Gallon, all other Bases, Converter and Activator - 1 Quart
Base	OU8000 - White, OU2000 - Black, OU5000 - Blue, OU4000 - Green, OU7000 - Red, OU9000 - Yellow
Converter	OU3200 – Surfacer Converter
Reducer	Activators: OA3210 – Surfacer Activator The Activator is essential for the technology of this product to achieve the required curing.
Equipment Cleaning	OT0002

Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Conventional Spray, HVLP	3	100 µm	40 µm	50 µm	10 m ² /lt 407.4 ft ² /Gal
Spray		3.9 mil	1.6 mil	2 mil	

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.

The practical coverage for 3 coats is 2m²/L.

Total recommended DFT is 120-140 microns (4.7-5.5 mils).



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.

VOC values are for the mixed product and recommended mixed ratio.

Product	As Supplied (without reducer)			
	g/L	lb/gal	g/Kg	lb/lb
Quick Build Surfacer	550	4.59		



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.

Quick Build Surfacer may be directly applied to gelcoat, fiberglass and existing coatings in good condition. Bare aluminium and anodized aluminium should be primed with Wash Primer CF.

Aluminium: Abrade with 180-220 grade paper. Degrease and then prime with Wash Primer CF.

Gelcoat/Fibreglass: Scotchbrite or sand with 120 - 180 grade paper.

Existing Finishes: Sand with 120 - 180 grade dry sand paper.

Degrease with Awlprep 400 Wipe Down Solvent OT0170 prior to priming.

Sand Quick Build Surfacer with #P400 and clean with surface cleaner T0170 (US/AP) or T0340 (EU) using the two cloth wipe down method. Overcoat with Awlcraft SE, Awlcraft 2000, Awlcraft 3000 or Awlgrip Topcoat.



Mixing & Reduction

Stir individual components well before use. Mix to a smooth, homogenous mixture.

Mix by volume: 3 : 1 : 1 (Base : Surfacer Converter : Surfacer Activator)

No induction required.

There is no need to reduce Quick Build. However, 5 to 10% Awlgrip Reducers (T0001, T0002, T0003, T0005) can be added to ease the application experience.

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.

It is advised to add white or black bases to any color mix to obtain the best outcome. The recipes for 65 color mixes are available on Mixitcloud.com.

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Application

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.

Spray 2-3 coats. Flash off 5 - 15 minutes between coats (or until surfaces become matt).

Application Methods	Fluid Tip	Fluid Pressure	Fluid Flow Rate	Air Pressure
Conventional Spray, HVLP Spray	1.30 - 1.80 mm 51 - 71 thou	-	225 - 250 cc/min	-



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)	35°C (95°F)
Hard Dry	5.5 Hours	5 Hours	1 Hours
Sandable	7 Hours	3 Hours	2 Hours
Touch Dry	1.5 Hours	1 Hours	40 Minutes
Pot Life	3 Hours	2 Hours	1 Hours

Overcoated By	15°C (59°F)		25°C (77°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max
Awlcraft 2000, Awlcraft 3000, Awlcraft SE, Awlgrip Topcoat (Spray)	7 Hours	Extended	3 Hours	Extended	2 Hours	Extended

The overcoating intervals refer to sanded Quick Build Surfacer.

If applying Quick Build Surfacer over itself, apply 2-3 coats with 5 to 15 minutes flash off between coats (or until surfaces become matt) – no sanding between coats required. In case the different coats are applied over several days, the maximum overcoating interval over itself without sanding is 48 hours at 15, 25 and 35°C (59-95°F). If Quick Build Surfacer has been sanded, it can be overcoated with topcoat up to 24h after sanding at these temperatures.

Before applying any topcoat, sand Quick Build Surfacer with #P400 and clean with surface cleaner T0170 (US/AP) or T0340 (EU) using the two cloth wipe down method. Overcoat with Awlcraft SE, Awlcraft 2000, Awlcraft 3000 or Awlgrip Topcoat. Before applying metallic topcoat, sand surface with no finer than #P400 grade sand paper.

Ensure Quick Build Surfacer is clean and free of dust prior to overcoating.



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). Ambient temperature should be minimum 10°C (50°F) and maximum 41°C (105°F)

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.international-yachtpaint.com for further information.

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