

Product Data Sheet

Awlfair LW / Fast



Intended Uses

Awlfair LW Fast is a premium trowelable epoxy filler, which acts as a fairing compound for the smoothing of irregular surfaces. Allows the creation of a level, even surface which reduces drag and improves the boat's appearance. Sandable after 6 hours at 25°C.

- * Provides a super-smooth finish and easy sanding
- * Suitable for both manual and automatic mixing
- * Suitable for use above and below the waterline on aluminium.

Specification Data

Volume Solids	91%
Specific Gravity	0.92
Available Packs	1 US Quart
Base	OD8200-White
Converter	OD7222-Red
Equipment Cleaning	T0002, T0006

Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Trowel, Spatula, Putty Knife, Longboard battens	As required	6000 µm 236.2 mil	6000 µm 236.2 mil	10000 µm 393.7 mil	0.15 m²/lit 6.1 ft²/Gal

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.

Mechanical Properties

Test	Temperature		
	-20°C (-4°F)	0°C (32°F)	20°C (68°F)
Compressive Strain (%)	6	6	5
Compressive Strength (MPa)	66	60	47
Flexural Modulus (MPa)	2874	2596	2272
Flexural Strain (%)	1.6	1.5	1.6
Flexural Strength (MPa)	42	39	36
Tensile Modulus (MPa)	3541	3041	2527
Tensile Strain (%)	0.5	0.8	0.8
Tensile Strength (MPa)	19	23	20
Thermal Expansion Coefficient (x10 ⁻⁵ /°C)	8	8	8



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
OD8200 Base	0	0	0	0
OD7222 Fast Converter	185	1.54		
Awlfair LW / Fast	93	0.78		



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.

Only apply over properly applied and prepared approved primers. Hullgard Extra Epoxy Primer and High Build (GRP only) are recommended substrate primers.

Awlfair LW / Fast may be applied direct to Hullgard Extra without the need for sanding. See the relevant primer product datasheet for details. High Build must be sanded prior to application of Awlfair LW / Fast.

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Mixing & Reduction

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 Methods	Mix Ratio (Base:Converter)	Reducer	Recommended Thinning	Spraying Viscosity
Batten, Trowel, Putty Knife, Spatula	1:1 by volume 1.56:1 by weight	-	-	-



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.

Properly prepare and prime the surface with the recommended primer before starting to fill or fair.

Apply Awlfair LW / Fast by trowel to an area you can work in 5 to 10 minutes. Pot life and working time is dependant upon temperature. Warmer climates will decrease pot life. Start with thin coats in low areas and build out to high areas. Allow to cure. Several applications may be necessary to fill large areas. Block and/or machine sand with 36 to 60 grit paper. Remove sanding dust and residue before applying more Awlfair LW / Fast. Stop when the faired surface has a uniform surface which meets the fairing quality specified for the project.

Note: Awlfair LW / Fast must be sealed with Hullgard Epoxy Primer (D6070/D3707) when used below the waterline. Awlfair LW / Fast must be sealed with an Awlgrip Epoxy Primer such as High Build or Ultra Build when used above the water line. This will maximize gloss and colour holdout in the Awlgrip top coat system.

Warning: Do not use unless mixed thoroughly with the curing agent at specified ratio.

Do not use below 13°C/55°F or warmer than 40°C/104°F Proper application and/or cure results may be more difficult to achieve when conditions are outside this range. Avoid conditions of low temperature with high humidity as this can result in the formation of a surface by-product that must be removed by either detergent wash followed by fresh water wash, or by sanding.

Do not wipe down cured filler with thinners/solvents. Do not thin.

DO NOT incorporate into this Awlgrip Coating System, any thinner, additive, modifier, converter, or related product produced by any manufacturer other than Awlgrip. Any such substitution can jeopardize the unique chemical characteristics provided by each of the Awlgrip Coating system.

FOR INDUSTRIAL USE ONLY: This product is for use by professional, trained, personnel using proper equipment and is not intended for sale to or use by, the general public.

Application Methods	Fluid Tip	Fluid Pressure	Fluid Flow Rate	Air Pressure
Longboard battens, Putty Knife, Spatula, Trowel	-	-	-	-



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.

Awlfair LW / Fast must be sanded before recoating with itself or other Awlgrip Product. It must be overcoated with an epoxy primer such as High Build, Epoxy Sprayable Fairing Compound, Hullgard or Ultrabuild before applying the finishing system. This is to reduce the risk of print through of the fairing compound profile. Awlfair LW / Fast is sandable after 17 hrs at 55°F/13°C, 6 hrs at 77°F

Drying	15°C (59°F)	25°C (77°F)	35°C (95°F)	
Sandable	17 Hours	6 Hours	90 Minutes	
Hard Dry		7 Hours		
Touch Dry		2 Hours		
Pot Life	80 Minutes	30 Minutes	20 Minutes	

Overcoated By	15°C (59°F)		25°C (77°F)		35°C (95°F)			
	Min	Max	Min	Max	Min	Max		
Awlfair LW / Fast, Epoxy Surfacing Primer, High Build, Ultra Build			24 Hours	Extended				

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

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Warning Notes

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.