

Super Fair 212

1. Introduction

ALEXSEAL® Super Fair 212 is a solvent-free, epoxy-based, light-weight filler, which provides the ideal product for yachts that require filling and fairing. ALEXSEAL® Super Fair 212 has excellent application, sanding and anti-sagging properties. It is designed to be easy to mix and apply, while the cured film provides an excellent surface for re-coating with other ALEXSEAL® Yacht Coating products.

2. Range of application

ALEXSEAL® Super Fair 212 is used for fairing all appropriately prepared surfaces and can be used for surfaces above and below the waterline. If ALEXSEAL® Super Fair 212 is used below the waterline it must be sealed with ALEXSEAL® Finish Primer 442.

3. Color

Color of mixture: Gray
 Standard Base: Light green
 Thick Base: Light green
 Standard Converter: Light gray
 Fast Converter: Red

4. Coverage

Volume Solids catalyzed without reduction: 100 %
 Coverage for ALEXSEAL® Super Fair 212 will be based on the depth of filling required as well as the size of the surface to be faired.

Note: Coverage rates are figured for base and converter.

	m ² / liter	m ² / gal	sq. ft. / gal	@ DFT in mm (mils)
Theoretical	1	3.8	41	1 mm (40)
Practical Coverage at average thickness	0.15	0.6	6.4	6 mm (1/4")
	0.11	0.44	4.8	8 mm (3/8")
	0.07	0.29	3.2	10mm (1/2")

5. Substrate pre-treatment

The substrate must be clean, dry and free from dust, grease, oil and other contamination. To ensure optimum adhesion, the substrate must be ground and/or blasted with (36 to 60 grit) before priming to ensure system adhesion. Full fairing systems require a heavily abraded substrate. Thin fairing systems of less than 3 mm (1/8 - 0.012 inch) will require a less aggressive profile to anchor the system.

Metal substrates - optimum mechanical and corrosion resistance values are achieved by proper surface preparation and substrate priming with ALEXSEAL® Protective Primer 161. ALEXSEAL® Super Fair 212 may be applied directly to ALEXSEAL® Protective Primer 161 without sanding for up to 6 months.

GRP substrates - use ALEXSEAL® Super Build 302, Finish Primer 442, or Protective Primer 161 over a properly prepared surface. All ALEXSEAL® Primers (except 161, see the 161 TDS overcoat chart) should be sanded with 60 - 80 grit, after over night dry, before application of ALEXSEAL® Super Fair 212.

For custom applications over substrates including epoxy resins, contact your ALEXSEAL® representative.

6. Trade names

Standard Base	P2121	ALEXSEAL® Super Fair 212 Standard Base
Thick Base	P2123	ALEXSEAL® Super Fair 212 Thick Base
Standard Converter	C2127	ALEXSEAL® Super Fair 212 Std. Converter
Fast Converter	C2128	ALEXSEAL® Super Fair 212 Fast Converter

7. Mixing ratio

By volume 1 : 1 (Base : Converter)
 By weight 1 : 1 (Base : Converter)

ALEXSEAL® Super Fair 212 must not be reduced

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8. Application

Application equipment: Trowels, spatulas, straight edge materials

The components of ALEXSEAL® Super Fair 212 have different colors to control the mixing process. After mixing, the color of the fillers should be a homogeneous color. If the base and converter are not mixed thoroughly, it could result in an improperly cured batch. Mixing can be done mechanically with slow turning dough mixers or manually. Do not use drill mixers. The mixing in of air bubbles should be avoided.

The material can be easily applied by spatula or trowel; inclusion of air pockets should be avoided. Applying the product to the surface in thin layers and working up to the desired thickness before pulling the product out with a straight edge, will help avoid creating air pockets in the applied product.

For equipment cleaning use R4042 ALEXSEAL® Epoxy Primer Reducer. ALEXSEAL® Super Fair 212 should be block sanded with 36 - 120 grit. Block sanding with 80 grit or finer will help prevent sand scratch print through in the finished system.

9. Pot life and Drying

Optimal application environment range - min. 15°C (60°F) 40% RH, up to max. 30°C (85°F) 80% RH

Temperature for minimum recoat time	15°C (60°F)	20°C (68°F)	25°C (77°F)	30°C (85°F)	Max Dry Time
Pot Life with C2127 ALEXSEAL® Super Fair 212 Converter	1 hr	50 min	40 min	30 min	N/A
Dry to sand with C2127 ALEXSEAL® Super Fair 212 Converter	36 hrs	24 hrs	18 hrs	12 hrs	N/A
Dry to sand with C2128 ALEXSEAL® Super Fair 212 Fast Converter	15 hrs	10 hrs	8 hrs	4 hrs	N/A
Note: The above chart reflects approximate minimum and maximum time. Surface temperature, air flow, direct or non-direct sunlight, and film thickness will effect actual times during application. During the drying phase the minimum temperature is 15°C (60°F). Ideal temperature: 25°C (77°F). The minimum application condition should be 3°C (5.4°F) above dew point.					
Recoating of ALEXSEAL® Super Fair 212 over itself should follow minimum dry to sand times. Scratch sanding with 36 - 60 grit is recommended to ensure adhesion between layers of 212. Over coating with other products including 302, 303, 328, and 442 can be applied after the minimum time and after the surface has been block sanded with 36 - 120 grit. Finishing the block sanding with 80 grit or finer will help prevent sand scratch print through in the final finish.					

10. Packaging

P2121	ALEXSEAL® Super Fair 212 Standard Base	½ Gal, 2 Gal
P2123	ALEXSEAL® Super Fair 212 Thick Base	½ Gal, 2 Gal
C2127	ALEXSEAL® Super Fair 212 Standard Converter	½ Gal, 2 Gal
C2128	ALEXSEAL® Super Fair 212 Fast Converter	½ Gal, 2 Gal

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