

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 (¹ / ₂₅ ")
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. 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 P60 - P80 grit, after over night dry, before application of ALEXSEAL Super Fair 212.

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

6. Trade names & 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 Std. Converter	½ Gal, 2 Gal
C2128	ALEXSEAL Super Fair 212 Fast Converter	½ Gal, 2 Gal

7. Mixing ratio

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

ALEXSEAL Super Fair 212 must not be reduced

Professional Use Only

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The information contained in this data sheet is based on our level of research and development. Revisal by the user with regard to the intended aim is necessary due to the diverse processing and application possibilities. Any liability on part of Mankiewicz for faulty applications and / or improper use is expressly excluded. The processing of the product must be fully documented by means of a paint application protocol.

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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 filler should be a homogeneous color. If the base and converter are not mixed thoroughly, it could result in an improperly cured paint. 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 P36 - P120 grit. Block sanding with P80 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 Std. Converter	1 hr	50 min	40 min	30 min	N/A
Pot Life with C2128 ALEXSEAL Super Fair 212 Fast Converter	45 min	35 min	25 min	15 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. Use Fast Converter below 15°C/60°F. Do not use below 10°C/50°F or warmer than 40°C/104°F. Proper application and cure results may be more difficult to achieve when conditions are outside this range.					
Recoating of ALEXSEAL Super Fair 212 over itself should follow minimum dry to sand times. Scratch sanding with P36 - P60 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 P36 - P120 grit. Finishing the block sanding with P80 grit or finer will help prevent sand scratch print through in the final finish.					