

Fairing Compound 242

1. Introduction

ALEXSEAL Fairing Compound 242 is a solvent-free, epoxy-based, light-weight filler, which provides the ideal product for yachts that require filling and fairing. ALEXSEAL Fairing Compound 242 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 Fairing Compound 242 is used for fairing all appropriately prepared surfaces and can be used for surfaces above and below the waterline. If ALEXSEAL Fairing Compound 242 is used below the waterline it must be sealed with ALEXSEAL Finish Primer 442.

3. Color

Color of mixture: Green-gray
 Standard Base: Light ivory
 Standard Converter: Green
 Fast Converter: Red

4. Coverage

Volume Solids catalyzed without reduction: 100 %
 Coverage for ALEXSEAL Fairing Compound 242 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	10 mm (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 Fairing Compound 242 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 Fairing Compound 242.

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

6. Trade names & Packaging

P2420	ALEXSEAL Fairing Compound 242 Base	½ Gal, 2 Gal
C2427	ALEXSEAL Fairing Compound 242 Converter	½ Gal, 2 Gal
C2425	ALEXSEAL Fairing Compound 242 Converter Fast	½ Gal, 2 Gal

7. Mixing ratio

By volume 1 : 1 (Base : Converter)
 By weight 10 : 6 (Base : Converter)

ALEXSEAL Fairing Compound 242 must not be reduced.

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8. Application

Application equipment: Trowels, spatulas, straight edge materials

The components of ALEXSEAL Fairing Compound 242 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 Fairing Compound 242 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 C2427 ALEXSEAL Fairing Compound 242 Converter	1 hr	50 min	40 min	30 min	N/A
Dry to sand C2427 ALEXSEAL Fairing Compound 242 Converter	36 hrs	24 hrs	18 hrs	12 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 Fairing Compound 242 over itself should follow minimum dry to sand times. Scratch sanding with 36 - 60 grit is recommended to ensure adhesion between layers of Fairing Compound 242. 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.

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