

Fairing Compound 202

1. Introduction

ALEXSEAL Fairing Compound 202 is a solvent-free, epoxy-based, light-weight filler, which provides the ideal product for yachts that require filling and fairing. ALEXSEAL Fairing Compound 202 has excellent application, sanding and anti-sagging properties. It is designed to be easy to mix, apply and sand, while the cured film provides an excellent surface for re-coating with other ALEXSEAL Yacht Coating products. ALEXSEAL Fairing Compound 202 cures without shrinking.

2. Range of application

ALEXSEAL Fairing Compound 202 is used for fairing all appropriately prepared surfaces and can be used for surfaces above and below the waterline. If ALEXSEAL Fairing Compound 202 is used below the waterline it must be sealed with ALEXSEAL Finish Primer 442.

3. Color

| | |
|----------------------------|-------|
| Color of mixture: | Gray |
| Standard Base: | White |
| Thick Base: | White |
| Standard and LV Converter: | Gray |
| Fast Converter: | Red |

4. Coverage

Volume Solids catalyzed without reduction: 100 %
 Coverage for ALEXSEAL Fairing Compound 202 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 μm (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 (P36 to P60 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 Fairing Compound 202 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 Fairing Compound 202.

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

6. Trade names & Packaging

| | | |
|-------|--|-----------------|
| P2094 | ALEXSEAL Fairing Compound 202 Standard Base | 1/2 Gal & 2 Gal |
| P2083 | ALEXSEAL Fairing Compound 202 Thick Base | 1/2 Gal & 2 Gal |
| C2075 | ALEXSEAL Fairing Compound 202 Std. Converter | 1/2 Gal & 2 Gal |
| C2017 | ALEXSEAL Fairing Compound 202 Fast Converter | 1/2 Gal & 2 Gal |
| C2028 | ALEXSEAL Fairing Compound 202 LV Converter | 1/2 Gal & 2 Gal |

7. Mixing ratio

By volume 1 : 1 (Standard Base/Thick Base : Standard Conv./Fast Conv./LV Conv.)

By weight 10 : 6 (Standard Base/Thick Base : Standard Conv./Fast Conv./LV Conv.)

ALEXSEAL Fairing Compound 202 must not be reduced

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8. Application

Application equipment: Trowels, spatulas, straight edge materials

The components of ALEXSEAL Fairing Compound 202 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 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 Fairing Compound 202 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 C2075 or C2028 ALEXSEAL Fairing Compound 202 Std. or LV Converter | 1 hr | 50 min | 40 min | 30 min | N/A |
| Pot Life with C2017 ALEXSEAL Fairing Compound 202 Fast Converter | 45 min | 35 min | 25 min | 15 min | N/A |
| Dry to sand with C2075 or C2028 ALEXSEAL Fairing Compound 202 Std. or LV Converter | 36 hrs | 24 hrs | 18 hrs | 12 hrs | N/A |
| Dry to sand with C2017 ALEXSEAL Fairing Compound 202 Fast Converter | 12 hrs | 8 hrs | 6 hrs | 4 hrs | N/A |
| Fully Cured with C2075 or C2028 ALEXSEAL Fairing Compound 202 Std. or LV Converter | 8 days | 7 days | 6 days | 5 days | N/A |
| Fully Cured with C2017 ALEXSEAL Fairing Compound 202 Fast Converter | 6 days | 5 days | 4 days | 3 days | 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 affect 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 202 over itself should follow minimum dry to sand times. Scratch sanding with P36 - P60 grit is recommended to ensure adhesion between layers of ALEXSEAL Fairing Compound 202. 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. | | | | | |

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