

Fairing Compound 202

Technical Data Sheet:
154-14 / **P2094**

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 and apply, while the cured film provides an excellent surface for re-coating with other ALEXSEAL® Yacht Coating products. This compound 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 or Finishing Primer 401.

3. Color

| | | |
|-------------------|-------|-----------|
| Color of mixture: | | Gray |
| Base material: | P2094 | White |
| Converter: | C2075 | Dark Gray |
| Fast Converter: | C2017 | Maroon |

4. Coverage

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.

Volume Solids catalyzed without reduction: 100 %

Theoretical:

1 m² / l (41 sq. ft. per gallon) at a dry film thickness of 1 mm (0.04 inch, 40 mils).

Practical:

0.15 m² / l (6.4 sq. ft. per gallon) at a dry film thickness of 6.4 mm (0.25 inch, 252 mils).

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.

For metal substrates - optimum mechanical and corrosion resistance values are achieved by proper surface preparation and substrate priming with ALEXSEAL® Protective Primer 101. ALEXSEAL® Fairing Compound 202 may be applied directly to ALEXSEAL® Protective Primer 101 without sanding for up to 8 weeks.

For GRP substrate, use ALEXSEAL® Finish Primer 442 or Finishing Primer 401, Super Build 302 or Protective Primer 101 over a properly prepared surface. The ALEXSEAL® Primer (except 101 see the 101 TDS overcoat chart) should be sanded with 60 - 80 grit, after overnight dry, before application of ALEXSEAL® Fairing Compound 202.

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

6. Trade names

| | | |
|----------------|-------|---|
| Base Material | P2094 | ALEXSEAL® Fairing Compound 202 |
| Converter | C2075 | ALEXSEAL® Fairing Compound 202 Converter |
| Fast Converter | C2017 | ALEXSEAL® Fairing Compound 202 Fast Converter |

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|------------------------|------------------|-------|---|
| 7. Mixing ratio | 1 part by volume | P2094 | ALEXSEAL® Fairing Compound 202 |
| | 1 part by volume | C2075 | ALEXSEAL® Fairing Compound 202 Converter |
| | or | C2017 | ALEXSEAL® Fairing Compound 202 Fast Converter |

ALEXSEAL® Fairing Compound 202 must not be reduced

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 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 202 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

| 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 ALEXSEAL® Fairing Compound 202 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 ALEXSEAL® Fairing Compound 202 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 ALEXSEAL® Fairing Compound 202 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 |
| Recoating of ALEXSEAL® Fairing Compound 202 over itself should follow minimum dry to sand times. Scratch sanding with 36 - 60 grit is recommended to ensure adhesion between layers of 202. | | | | | |
| Overcoating with other products including 302, 442, and 401 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. | | | | | |
| Note: The above chart reflects approximate minimum and maximum time. Surface temperature, direct or non-direct sunlight, and film thickness will effect actual times during application. | | | | | |

| | | | |
|----------------------|-------|---|---------------|
| 10. Packaging | P2094 | ALEXSEAL® Fairing Compound 202 | ½ Gal & 2 Gal |
| | C2075 | ALEXSEAL® Fairing Compound 202 Converter | ½ Gal & 2 Gal |
| | C2017 | ALEXSEAL® Fairing Compound 202 Fast Converter | ½ Gal & 2 Gal |

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