

Super Fair 212

Technical Data Sheet: 154-32
P2121

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

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Page 1 of 2

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Rev 03/2025

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P2121

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. | | | | | |

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Page 2 of 2

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