

Wash Primer 133

Technical Data Sheet: 913-97
P1331

1. Introduction

ALEXSEAL® Wash Primer 133 is a vinyl based zinc chromate two component primer used to inhibit corrosion and promote adhesion to metal substrates including anodized aluminum, stainless steel, and de-oiled washed galvanized steel.

2. Range of application

ALEXSEAL® Wash Primer 133 is designed to prime and seal old and new, properly prepared, metal surfaces prior to the application of ALEXSEAL® topcoats or ALEXSEAL® finish primers. This product is ideal for masts, parts and thin gauge metal where minimal fairing is required. It may be top coated or primed depending on the application requirements. Wash Primer 133 may be used above and below the waterline.

3. Color

Colors of mixture: Yellow Green
Base material: Yellow Green
Converter: Clear

4. Coverage

Volume Solids catalyzed without reduction: 12 %.

Note: Coverage rates are figured for base and converter. Reducer is added as percent of total quantity of base & converter.

	m ² / liter	m ² / gal	sq. ft. / gal	Rec. DFT in µm (mils)
Theoretical	15	57	633	8 (0.3)
Practical				
Conventional Air Spray Equipment	7.5	28.6	308	8 (0.3)
HVLP Air Spray Equipment	8.6	33	354	8 (0.3)
Brush / Roller and Airmix Equipment	12.9	50	530	8 (0.3)

5. Substrate pre-treatment

The substrate must be clean, dry and free from dust, grease, oil and other contamination.

ALEXSEAL® Wash Primer 133 may be applied directly to the properly cleaned and prepared Aluminum or Steel substrate.

To achieve optimum adhesion and performance:

Steel should be prepared by sandblasting to near white metal, Sa2.5 (SSPC – SP10 - 85) or ground 36 to 60 grit to a 50 - 100 micron (2 - 4 mils) profile.

Aluminium

When applying topcoat over Wash Primer 133 the surface should be sanded with 180-220 grit.

When applying Finish Primer 442 over Wash Primer 133 the surface should be sanded with 80-180 grit or grit blasted.

Alumiprep® may be used to clean the surface prior to applying Wash Primer 133

DO NOT use Alodine® treatment under Wash Primer 133 (instead of 133 use 135,156 or 161 primers).

Contact your Alexseal® Representative to discuss chemical treatment options to clean the metal substrate before application of Wash Primer 133.

6. Trade names

Base Material	P1331	ALEXSEAL® Wash Primer 133 Yellow
Converter	C1334	ALEXSEAL® Wash Primer 133 Converter
Reducer	R1338	ALEXSEAL® Wash Primer 133 Reducer

7. Mixing ratio

4 parts by volume	P1331	ALEXSEAL® Wash Primer 133 Base
1 part by volume	C1334	ALEXSEAL® Wash Primer 133 Converter
2 part by volume	R1338	ALEXSEAL® Wash Primer 133 Reducer

Reduction: 4 : 1 : 2 = 50% (spray application)

Note: It is necessary to use R1338 reducer in this product at the mix ratio indicated above.

Professional Use Only

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8. Application

Viscosity DIN 4 (Zahn #2)	approx. 15-30 sec (xx sec)
Fluid Nozzle Size Pressure Pot	1.0 to 1.4 mm (0.040 to 0.059) - Conventional & HVLP
Fluid Nozzle Size Siphon Cup	1.6 mm (0.060) - Conventional & HVLP
Atomizing Pressure	3.0 to 3.5 bar (43 to 51 PSI) - Conventional & HVLP
Pot Pressure	0.7 to 1.5 bar (10 to 15 PSI) - Conventional & HVLP
Airmix Equipment	0.18 to 0.28 mm (0.007 to 0.011) Inlet pressure 3.0 to 5.0 bar (42 to 70 PSI)

Spray Apply 1 cross coat to a dry film thickness (DFT) of 6 - 12 microns (0.25 - 0.5 mil). Minimum recommended film is 6 microns (0.25 mil) DFT. Maximum recommended film thickness during a spray application is 1 coat totaling 12 microns (0.5 mil) DFT. Due to the characteristics of the products the wet film thickness is not measurable. Make sure to achieve a close layer.

Brush Only for small areas or repair.

IMPORTANT NOTE: Do not apply this product over the maximum recommended film thickness. The coating should be applied in an even transparent film.

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 - approx.	12 hrs	12 hrs	12 hrs	12 hrs	N/A
Dust Free	15 min	15 min	10 min	10 min	
Tape Dry	30 min	30 min	30 min	30 min	N/A
Fully Cured	2 days	2 days	1 day	1 day	N/A
Overcoat with another product including 161, 357, 442, 414 and 501. Sanding is required after max time.	4 hrs minimum	4 hrs minimum	3 hrs minimum	3 hrs minimum	6 hrs maximum

Note: The above chart reflects approximate minimum and maximum time. Surface temperature, air flow, direct or non-direct sunlight, quantity and or choice of reducer, and film thickness will effect actual tack up, recoat, overcoat, and drying times during application. During the drying phase the minimum temperature is 15°C (60°F). Ideal temperature: 25°C (77°F). The minimum application condition should be 3°C (5.4°F) above dew point.

10. Packaging

P1331	ALEXSEAL® Wash Primer 133, Yellow	1 QT
C1334	ALEXSEAL® Wash Primer 133, Converter	7 Oz
R1338	ALEXSEAL® Wash Primer 133 Reducer	1 QT

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