

0253 Etch Primer / Wash Primer (1:1) (Yellow/Green)

1) Introduction	TARALAC® Etch Primer 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	TARALAC® Etch Primer is designed to prime and seal old and new properly prepared, metal surfaces prior to the application of TARALAC® topcoats or TARALAC® finish primers. This products is ideal for masts, parts and thin gauge metal where minimal faring is required. It may be top coated or primed depending on the application requirements. Etch primer may be used above and below the waterline.
3) Color	Colors of mixture: Yellow Green Base material: Yellow Green Hardner : Clear
4) Coverage	Volume Solids catalyzed without reduction 12% <i>Note: Coverage rates are figured for the based and Hardner. Reducer is added as percent of total quantity of base & Hardner</i>

	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 treatment	pre- The substrate must be clean, dry and free from dust, grease ,oil and other contamination. TARALAC® Etch primer 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. Aluminum When applying topcoat over Etch Primer the surface should grit. When applying Finish Primer over Etch Primer the surface should be sanded with 80-180 grit or grit blasted. May be used to clean the surface prior to applying Etch Primer DO NOT use treatment under Etch Primer
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	Contact your TARALAC® Representative to discuss chemical treatment options to clean the metal substrate before application of Etch Primer.	
6) Trade names	Base Material	TARALAC® Etch Primer Yellow
	Hardner	TARALAC® Etch Primer Hardner
	Reducer	TARALAC® 091
7) Mixing Ratio	1 parts by volume	TARALAC® Etch Primer Base
	1 part by volume	TARALAC® Etch Primer Hardner

Wash 15 minutes after mixing base and Hardner before adding the reducer

Note: It is necessary to use 091 reducer in this product at the mix ratio indicated above.

8) Application	Viscosity DIN 4 (Zahn #2) Fluid Nozzle Size Pressure Pot Fluid Nozzle Size Siphon Cup Atomizing Pressure Pot Pressure Airmix Equipment	approx. 15-30 sec(xx sec) 1.0 to 1.4 mm (0.040 to 0.059)- Conventional & HVLP 1.6 mm (0.060)- Conventional & HVLP 3.0 to 3.5 bar (43 to 51 PSI)- Conventional & HVLP 0.7 to 1.5 bar (10 to 15 PSI)- Conventional & HVLP 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 recommendation film is 6 microns (0.25 mil)DFT. Maximum recommendation 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.	



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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. Sanding is required after max time	4 hrs minimum	4 hrs minimum	3 hrs minimum	3 hrs minimum	6 hrs minimum
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					

Note: Shelf life of the product is 12 months from the date of Manufacturing.

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