

TriGuard™

Silicone Alkyd Enamel

APPLICATION DATA

REQUIREMENTS FOR APPLICATION:

- Surfaces and ambient temperatures must be between 42° and 95° F. and minimum 5° F. above dewpoint for normal application. Special procedures required from 28° F. to 42° F. and 95° – 115° F. Secure procedures/approval from Triangle representative.
- Surfaces must be free of moisture, corrosion (flash rust OK), oils, loose paint, dirt, all forms of silicone, waxes, etc. SSPC-SP1, SP2 or SP3 as minimum.
- Performance over mill scale cannot be predicted. All scale should be removed.
- Provide adequate ventilation, eliminate open flame and any potential sources of sparking.
- Enameled surfaces must be abraded to dull.

PRIMING:

Reference Tech Advisory 1 & 3 for a complete review of recommended primers and options.

- Iron & Steel 903P Bakote Primer
- Galvanized 938P AquaMAX Primer
- Wood 292 Apex Primer

FILM DEVELOPMENT:

Optimum dry film thickness is 1.5 mils per coat. One coat over primed or previously painted surfaces, two or more coats over bare metal. However, without reduction it is difficult to apply VOC compliant alkyds that thin. Typical DFTs range between 1.75 and 2.0 mils. Maximum recommended wet film thickness is 4 wet mils unreduced or 2 mil DFT. Thicker films surface dry and are less durable. Unreduced, **TriGuard** applied at 525 sq.ft./gal. over smooth, sealed surfaces will produce a 1.50 mil DFT and allow for 3% waste (1.75 mil DFT's = 450 sq.ft./gal. unreduced).

THINNING:

Thinning with most solvents is not legal in areas that have a VOC regulation of 420 g/l (3.5 lbs./gal.). Maximum reduction to meet 420 is "0" ounces of solvent. However, exempt solvents are available in most areas and performance may be enhanced by thinning where/when legally permissible. In unregulated areas a 0 – 15% reduction with mineral spirits is recommended for brushing or airless spray. 15 – 25% reduction with xylene for conven-

tional or HVLP spray. Exempt solvents vary in solvency and speed of evaporation. VOC regulations vary by state and county. Contact Triangle representatives directly for guidelines and recommendations.

APPLICATION

TriGuard is designed for spray application. Use an airless on large structural surfaces - tanks, transmission pipes, etc. Use conventional when finishing doors, trailers, metal fabrications, etc. Use HVLP where legally required for shop finishing. Product design allows limited areas to be brushed effectively, window trim for example.

Airless: Any $\frac{1}{2}$ gpm or larger pump with a .013 – .015 tip. On large jobs and when pumping vertically is required, larger pumps are necessary. For fine finishing use a .011 – .013 tip with a Binks preorifice tip or a .012 – .014 Graco Fine Finish Tip.

HVLP: .040" – .055" fluid nozzle with a pressure feed. Fluid pressure to produce a 6" stream without air cap, 65 – 80 psi and 18 CFM air.

Conventional: .040 – .055 fluid nozzle; air cap sized to air supply feed and ability to thin.

Air Assist Airless: .011 tip and maximum possible fluid pressure.

CLEANUP: AT17 Wash Thinner or xylene. Rinse equipment with clear mineral spirits.

SAFETY AND HANDLING

FLASH POINT: [setaflash] 107° F. (42° C.)

SHIPPING DESCRIPTION: [CFR 49].

Domestic Ground: Not regulated

Air/Vessel: Paint, 3, UN1263, PG III

Required Label: FLAMMABLE LIQUID

Required Marking: PAINT UN1263

IMDG PACKAGING:

FLAMMABLE LIQUID, class 3.3, UN1263, III

IMDG STOWAGE: Category A

UNIFORM FIRE CODE: [CFR 29] CLASS II

STORAGE TEMPERATURE: 120° F. max.

SHELF LIFE: [warranted] 1 Year

"HMIS" RATINGS: H - 2; F - 2; R - 0; PP - H

(02/12/99)

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