



**PRODUCT PROFILE**

**GENERIC DESCRIPTION** Silicone Alkyd

**COMMON USAGE** A high solids, single component, silicone-alkyd finish coat that provides superior color and gloss retention over conventional alkyd enamels. Primarily used for coating primed or previously painted steel and galvanized steel substrates. Versatone incorporates a 30% copolymerized silicone-alkyd resin, which provides unmodified maximum performance.

**COLORS** Contact Tnemec Company

**FINISH** Gloss

**PERFORMANCE CRITERIA** Extensive test data available. Contact your Tnemec representative for specific test results. Meets Federal Std. TT-E-490 and TT-E-1593.

**COATING SYSTEM**

**PRIMERS** **Steel:** Series 37H, 66, 88HS  
**Galvanized Steel and Non-Ferrous Metal:** Series 27. **Note:** Series 27 exterior exposed for 3 weeks or longer requires an epoxy-polyamide intermediate coat or scarification prior to topcoating with 2H, 23 or 82HS. Brush blasting with fine abrasive is the preferred method of scarification.

**INTERMEDIATE** Series 2H, 23, 82HS. The intermediate coat color should be noticeably different but in the same family as the topcoat color.

**SURFACE PREPARATION**

**ALL SURFACES** Must be clean, dry and free of oil, grease and other contaminants. Remove rust and paint not tightly bonded. Spot prime.

**TECHNICAL DATA**

**VOLUME SOLIDS** 61.8 ± 2.0% †

**RECOMMENDED DFT** 1.5 to 2.5 mils (40 to 65 microns) per coat. **Note:** Number of coats required will vary depending on color, substrate (surface) and other variables. Contact your Tnemec representative.

**CURING TIME**

Temperature	To Touch	To Handle	To Recoat
75°F (24°C)	1/2-1 1/2 hours	12-14 hours	16 hours
45°F (7°C)	9 hours	4 days	4 1/2 days

Curing time varies with surface temperature, air movement, humidity and film thickness.  
**Water Tank Exteriors:** Five days or more curing time required before filling with water.

**VOLATILE ORGANIC COMPOUNDS** **Unthinned:** 2.57 lbs/gallon (307 grams/litre)  
**Thinned 5%:** 2.76 lbs/gallon (330 grams/litre) †

**THEORETICAL COVERAGE** 991 mil sq ft/gal (24.3 m<sup>2</sup>/L at 25 microns). See APPLICATION for coverage rates. †

**NUMBER OF COMPONENTS** One

**PACKAGING** 55 gallon (208.2L) drums, 5 gallon (18.9L) pails and 1 gallon (3.79L) cans.

**NET WEIGHT PER GALLON** 10.77 ± 0.25 lbs (4.89 ± .11 kg) †

**STORAGE TEMPERATURE** Minimum 20°F (-7°C) Maximum 110°F (43°C)

**TEMPERATURE RESISTANCE** (Dry) Continuous 300°F (148°C)  
 Certain colors will darken with long term exposure at higher temperatures.

**SHelf LIFE** 12 months at recommended storage temperature.

**FLASH POINT - SETA** 119°F (48°C)

**HEALTH & SAFETY** Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.  
**Keep out of the reach of children.**

**APPLICATION**

**COVERAGE RATES**

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Suggested	2.0 (50)	3.0 (75)	496 (46.0)
Minimum	1.5 (40)	2.5 (65)	661 (61.4)
Maximum	2.5 (65)	4.0 (100)	397 (36.8)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

**MIXING** Stir thoroughly, making sure no pigment remains on the bottom of the can.

**THINNING** For air spray, airless spray, brush or roller, thin up to 5% or 1/4 pint (190 mL) per gallon with No. 1 Thinner.

# VERSATONE® | SERIES 82HS

**APPLICATION EQUIPMENT**

**Air Spray**

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss MBC or JGA	E	765 or 78	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	60-80 psi (4.1-5.5 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

**Airless Spray**

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.013"-0.017" (330-430 microns)	1800-3000 psi (124-207 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	100 mesh (150 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

**Roller:** Use 1/4" or 3/8" (6.4 mm to 9.5 mm) high quality and shed-resistant synthetic nap covers. The 1/4" covers generally provide the best flow and leveling properties.

**Brush:** Use high quality natural or synthetic bristle brushes.

**SURFACE TEMPERATURE**

Minimum 40°F (4°C) Maximum 120°F (49°C)

The surface should be dry and at least 5°F (3°C) above the dew point.

**CLEANUP**

Flush and clean all equipment immediately after use with the recommended thinner, mineral spirits or VM&P Naphtha.

† Values may vary with color.

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