TNEMEC

PRODUCT DATA SHEET

VERSATONE SERIES 82HS

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.

VOLITILE 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 m²/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 (m²/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.