



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TECHNICAL DATA SHEET

TT-E-490 HIGH PERFORMANCE SILICONE MODIFIED ALKYD PAINT

DESCRIPTION: A single component, high performance, air-drying, silicone modified alkyd primer, interior/exterior finish intended for use on properly prepared metal. It withstands temperatures of 350°F with peak to 450°F. It cures via air or heat and it can be easily applied with brush, roller or spray to a very smooth finish. The resultant finish is high heat and weather-resistant and exhibits prolonged durability and color retention compared to conventional alkyd coatings. It is recommended for use on marine surfaces above the water line, storage tanks, machinery & equipment. It can also be used on refinery equipment, heaters, stacks, breaching, furnaces, hot piping, process vessels, and heat exchangers.

CONFORMANCE: This product conforms to TT-E-490 Revision E (the latest Revision).

TECHNICAL DATA

TYPE:	Silicone modified alkyd topcoat
COLOR:	Various
<u>FINISH:</u>	
CLASS 2:	Semi-Gloss (40 – 60)
FLASH POINT:	106°F (41°C) Minimum
<u>DRYING TIME AT 75°F:</u>	
(A) SET TO TOUCH:	2 hrs.
(B) DRY HARD/TO HANDLE:	8 hrs.
(C) TO OVERCOAT:	24 hrs.
<u>SOLIDS CONTENT BY VOLUME:</u>	
TYPE I:	Approx. 50%
TYPE II:	Approx. 58%
TYPE III:	Approx. 70%
<u>VOLATILE ORGANIC COMPOUND (VOC):</u>	
TYPE I:	3.5 lbs./gallon (420 g/l)
TYPE II:	2.8 lbs./gallon (340 g/l)
TYPE III:	2.3 lbs./gallon (275 g/l)
RECOMMENDED DFT:	2.0 mils /coat

Simco Coatings Inc.

211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.

Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO

e-mail: sales@simcocoatings.com web: www.simcocoatings.com



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TT-E-490 HIGH PERFORMANCE SILICONE MODIFIED ALKYD PAINT

VOLATILE ORGANIC COMPOUND (VOC):

TYPE I:	3.5 lbs./ gallon (420 g/l)
TYPE II:	2.8 lbs./ gallon (340 g/l)
TYPE III:	2.3 lbs./ gallon (275 g/l)
RECOMMENDED DFT:	2.0 mils / coat

THEORETICAL COVERAGE @ 2.0 MILS DFT:

TYPE I:	Approx. 400 sq. ft/ gallon
TYPE II:	Approx. 465 sq. ft./ gallon
TYPE III:	Approx. 560 sq. ft./ gallon
SHELF LIFE:	12 months
THINNER:	MIL-T-81772 Type III
TEMPERATURE RESISTANCE:	350°F

SURFACE PREPARATION: This product is designed to be applied over blasted or primed steel. Ensure that the surface is free from contaminants.

METHOD OF APPLICATION: This can be applied by conventional spray, brush or a roller. Mix the product thoroughly before use. If required, thin up to a maximum of 5% of T-81772 Type III Alkyd Thinner.

SAFETY PRECAUTIONS:

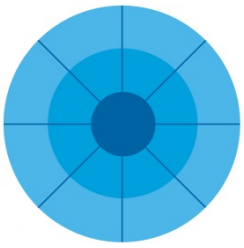
- (A) Use normal precautions such as gloves and facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- (F) Avoid breathing of vapor, contact with skin and eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain immediate medical attention.

Simco Coatings Inc.

211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.

Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO

e-mail: sales@simcocoatings.com web: www.simcocoatings.com

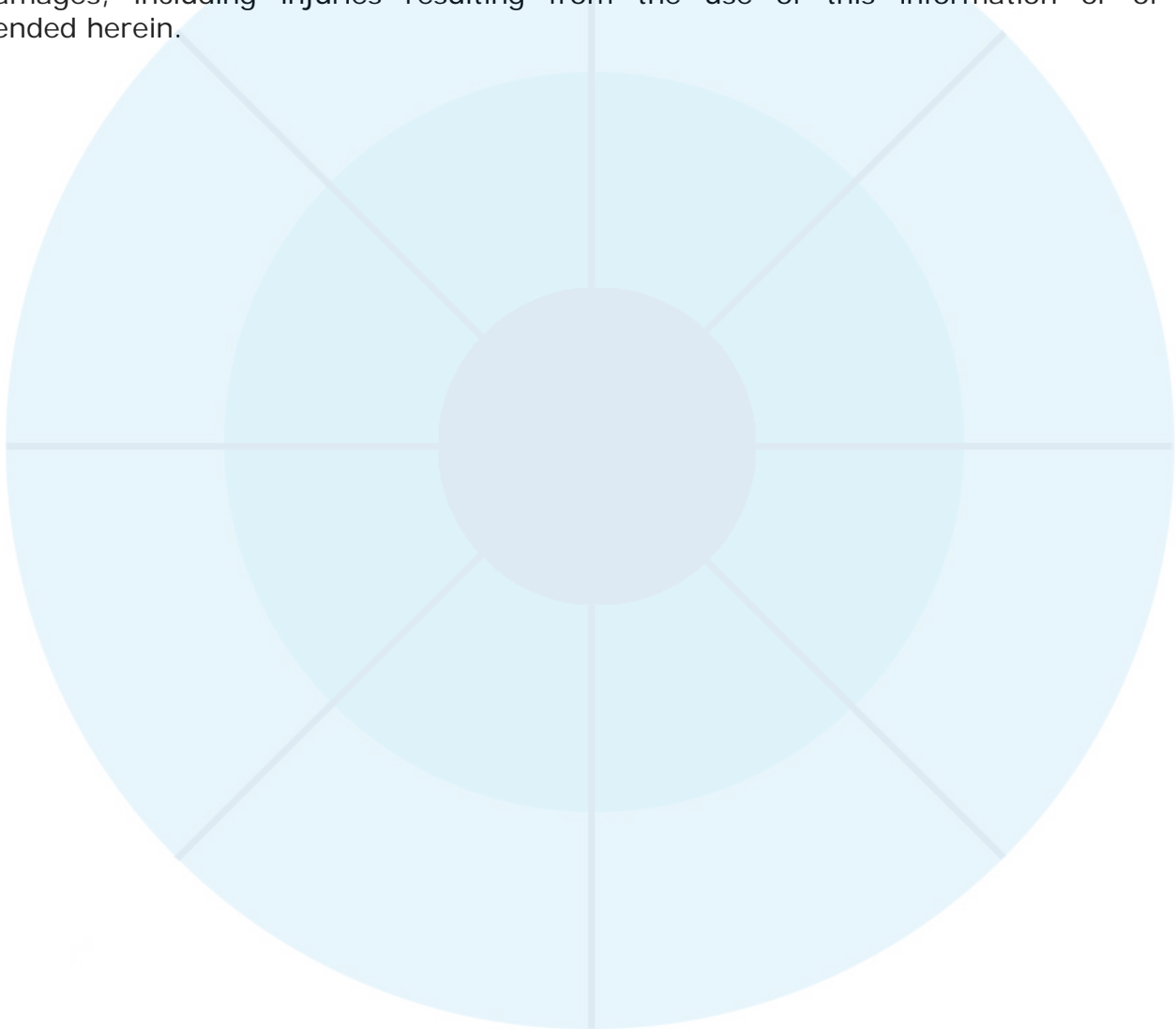


Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TT-E-490 HIGH PERFORMANCE SILICONE MODIFIED ALKYD PAINT

NON-WARRANTY: The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for the coverage, performance or any other damages, including injuries resulting from the use of this information or of products recommended herein.



Simco Coatings Inc.
211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.
Tel: (504) 393-9455 Fax: (504) 433-1406 Toll Free: 1-866-95SIMCO
e-mail: sales@simcocoatings.com web: www.simcocoatings.com