



Simco Coatings Inc.

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

TECHNICAL DATA SHEET

SIMTHANE-902 TWO COMPONENT, HIGH PERFORMANCE POLYURETHANE

DESCRIPTION: A two component, acrylic/aliphatic polyurethane finish which cures to a very hard, high gloss, flexible coating with outstanding color retention. This coating has exceptional resistance to weathering and severe environment. It is used for exterior or interior applications wherever a superior gloss and color retention finish is desired, such as storage tanks, structural steel, pipelines, production equipment and offshore platforms etc.

TECHNICAL DATA

COLOR:	White, Deck Gray, Black, Safety/Shell Yellow, High Gloss Colors
MIXING RATIO:	4:1 by volume
SOLIDS BY VOLUME:	40% - 42%
SOLIDS BY WEIGHT:	53%-54% depending on the color
VOLATILE ORGANIC COMPOUND (VOC):	4.1 lbs./gallon or 491 g/l.
FLASH POINT:	49°F
RECOMMENDED DRY FILM THICKNESS:	1.5 – 2.0 mils
WEIGHT PER GALLON:	9.5 lbs.
THEORETICAL SPREADING RATE:	400 sq. ft./gallon @ 1.0 mil DFT
DRYING TIME @ 75°F:	
(A) SET TO TOUCH:	30 minutes
(B) SET TO TOPCOAT:	8 hours
(C) FULL CURE:	24 hrs.
TEMPERATURE RESISTANCE:	300°F dry heat
ABRASION RESISTANCE:	Excellent
POT LIFE @ 25°C/77°F:	3 hours
CLEANING THINNER:	Simco Universal Thinner

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RECOMMENDED SURFACE PREPARATION: Prior to the application of this product ensure that the painted substrate is intact and free from contaminants. All damaged areas of primer and mid coats should be rectified and made good to ensure uniformity of system. The substrate should then be thoroughly degreased in accordance with SSPC-SPI. All dust should be removed from the substrate by using clean brushes and /or dry compressed airline. Ensure that the substrate is completely dry prior to the application of this product. For added protection and embellishment additional coats may be applied.

APPLICATION DATA: Apply by conventional or airless spray, brush, roller. DeVilbiss MBC-510 gun with E: E tip and needle and 765 air cap.

Details for Airless Spray: Output fluid pressure: 120 bar (atm) 1740 PSI

Minimum nozzle orifice: 0.013"

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.

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 this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance or any other damages, including injuries resulting from us of this information or of products recommended herein.

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