



Simco Coatings Inc.

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

TECHNICAL DATA SHEET

CORPS OF ENGINEERS FORMULA V-103C VINYL TYPE PAINT

PRODUCT DESCRIPTION:

TYPE:	A Black Pigmented solution vinyl coating.
BASIC USE:	Where specified by the U.S. Corps. of Engineers. Primarily for painting hydraulic structures.
FINISH:	A tough, flexible semi-gloss finish.
THINNING:	Designed to be spray applied over a wide range of ambient temperatures by field thinning with the proper type and amount of thinner. For spray application, use up to 25% MIAK, MIBK or MEK. When ambient and steel temperatures are above normal, up to 40% thinning may be necessary.
SPREADING RATE:	7 wet mils (170 sq. ft. per gallon) will result in one mil dry film thickness-allowing for a 20% loss factor.

TECHNICAL DATA

COLOR & FINISH:	Semi-gloss, Black
VISCOSITY RANGE:	60-90 Second Ford # 4 cup at 77°F
WEIGHT PER GALLON:	7.5 - 7.7 lbs/gal.
SOLIDS WEIGHT:	25.00 ± 1%
SOLIDS VOLUME:	14.45 ± 1%
ODOR:	Sharp Ketone Odor
FLASH POINT:	45°F
VOLATILE ORGANIC COMPOUND (VOC):	5.73 lbs./gal. or 687 g/l

THINNERS:

Temperature > 70°F., then use MIAK
Temperature between 50°F – 70°F., then use MIBK
Temperature < 50°F., then use MEK

SURFACE PREPARATION:

For use only on metal surfaces. Follow instructions outlined in specification regarding surface preparation and use of this product.

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APPLICATION:

METHOD:

DRY TIME:

METHOD:

Spray only

One hour for recoat

As specified or see below

CONVENTIONAL SPRAY: Paint pressure pot with double regulators and moisture trap, DeVilbiss MBC-510 gun with "E" tip and needle, 765 air cap. 1/2" ID material hose, 5/16" air hose. Fluid and atomization pressure should be kept as low as practically possible with good spraying results.

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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