



Vanberg Specialized Coatings

WMC-100

Product Information Data Sheet

PRODUCT DESCRIPTION:

WMC-100 is a one-component, Moisture Cured Polyurethane Coating/Primer. This product has excellent adhesion to sound, properly prepared steel, and surfaces. This low viscosity, high "wetting" coating undergoes a rapid molecular weight change as it polymerizes into a high molecular weight finish, which provides excellent corrosion resistance and abrasion resistance.

PRODUCT USES:

Excellent as a universal coating for metal, steel, concrete, wood, fiberglass, plastic, clean or weathered galvanized metal. Also over old coatings and for polyurethane foam protection.

For use over sound, tightly adherent rust where only wire brush or hand tool cleaning is feasible and VSC Rust Converter is used. For remedial painting of interior metal buildings, hand and guard rails, pumps, pipelines, grating, and other hard to clean surfaces. VSC RUST CONVERTER is recommended for best sub-coating rust control.

Has excellent chemical resistance as a Finish Coat to protect metal, concrete and wood surfaces in agricultural facilities, chemical plants, refineries, pulp and paper mills, waste and water treatment plants, electric generating stations, fertilizer plants, food processing, pharmaceutical, ore processing operations, marine installations, etc.

FEATURES:

- Primer or Stand Alone Coating for all types of surfaces
- Excellent "wetting out" properties over prepared steel
- Fast recoating, 1-3 hours (typical)
- Excellent corrosion resistance, passed
- One component, easy to use
- Outstanding abrasion resistance
- Very good weather resistance, 1,200 hours in salt cabinet, not UV stable
- High heat, up to 400°F / 204°C dry

PACKAGING:

- 1 Quart Unit (.95 L)
- 1 Gallon Unit (3.8 L)
- 5 Gallon Unit (19 L)

COLORS:

White

FINISH:

Medium gloss

GENERAL PRODUCT DATA

Shelf Life	Minimum of 6 months in unopened containers stored below 90°F / 32°C
Application Temp & Humidity	18 F-140 F @ 50% Relative Humidity (-8°C-60°C)
Mixing Ratio: Hardener to Resin	One component, stir well
Coverage (Theoretical)	200 - 300 sq. ft. per gallon (21.3 – 31.9 m ² per 3.8L) at 2 - 5 mil DFT
Application Method	Roll, brush or spray
Tack Free	1 - 3 hours @ 75°F (24°C)
Recoat	1 - 4 hours @ 75°F (24°C)
Recommended Dry Film Thickness	2-5 mils
Dry Service Temperature	Up to 400°F / 204 °C
Thinning	Solvent 101 for spray application – up to 10%
% Solids by Volume	58% by Volume and 66% by weight
Cure Time	@ 75°F (24°C) and 50% R.H. 1-3 hours tack free; recoat 3-24 hours
Clean Up	Solvent 101
Pot Life	1-2 hours @ 75°F (24°C) with 50% R.H. Will vary due to humidity.
V.O.C.	Less than 300 gms/liter (248 gm/liter)

COVERAGE:

This product should be applied at the rate of approximately 200 - 300 sq. ft. per gallon (21.3 - 31.9 m² / 3.8L), which is approximately 2 - 5 mils. As with all coatings, coverage is dependent on the smoothness and porosity of the surface.

SURFACE PREPARATION:

1. Steel: For best results, sand blast to a SSPC-SP6 "commercial" blast finish. Where blasting is not appropriate, remove all loose rust and mill scale by power wire brushing or hand tool cleaning. A tightly adherent rusty surface is acceptable when treated with VSC Rust Converter.

2. Galvanized Steel:

a. New - Brush blast per SSPC-SP7.

b. Old, Weathered, or Rusty - Remove all oil, grease, dirt, and other foreign matter. Surface should be reasonably clean, dry, and free of contaminants. Remove all loose rust, etc., as outlined above under steel. Treat with VSC RUST CONVERTER prior to coating for best control of sub-surface rust.

3. Previously Painted Surfaces - Remove all loose, peeling, or blistered paint, and any other surface contaminants. Make sure surface is sound and dry. Lightly abrade all smooth coatings.

Review VSC'S Material Safety Data Sheets (MSDS) for this product prior to mixing and applying. In addition, thoroughly review the Data Sheet and product labels.

MIXING:

WMC100 is made ready for use by stirring so that the white pigment is thoroughly dispersed in the resin and a uniform "white" color is achieved. When used over a period of time, stir occasionally to maintain uniform mix. Thinning is not usually necessary.

Note: Always wear protective gloves and clothing while mixing and applying WMC100. Do not get on skin. WMC100 is difficult to remove.

POT LIFE:

1-2 hours @ 75°F (24°C) with 50% R.H. Will vary due to humidity.

APPLICATION:

WMC100 may be applied by brush, roll, or spray. Roller cover should have a phenolic core and brushes should be natural bristles. For spray, flushes every 1-2 hours with Solvent 101 during use to keep lines clean from material build up. Required equipment is as follows:

1. Airless Spray - Use a minimum 20:1 ratio pump with 80-100 psi inbound air. Recommend a .013" - .017:" tip. Adjust pressure for proper atomization based on selected tip.
2. Convention Spray - Use a dual regulated pot with 15-25 psi fluid pressure and 40-50 psi atomization pressure. A Binks #18 with a 704E tip/air cap is recommended.

When spraying, use a 50% overlapping crosshatch pattern to minimize the occurrence of pinholes. Do not apply to surfaces below 18 F or above 140 F. Do not apply over dew or frost. The surface should be dry and at least 5 F above the dew point.

LIMITATIONS:

1. Do not apply over frost, wet, or damp surfaces or extremely high humidity conditions.
2. Not recommended as tank lining for constant immersion.
3. Must be recoated within 24 hours.
4. Partially used containers must be reclosed tightly to prevent moisture in air from reacting with material and forming a tough skin. Skin can be removed and remaining material used. Be sure to stir.

RECOAT TIME:

Based on temperature of 75 F (24°C) and 50% R.H. (relative humidity), WMC100L is tack free in 1-3 hours and may be over-coated in 1-4 hours. Always check for fingernail hardness. For maximum adhesion, recoat the same day, but no longer than 16-24 hours at 75 F (24°C) and 50% R.H. High temperatures and humidity will shorten recoat time.

CLEAN UP:

Clean up immediately with SOLVENT 101. Remove from skin while still wet. Scrub skin with soap and detergent.

CAUTIONS:

WMC100L is flammable. Keep away from all sources of ignition during mixing application and cure. Contains aromatic polyisocyanates. Proper ventilation is necessary when painting indoors or confined areas. Vapors and spray mist may cause eye/skin irritation as well as allergic reactions. Always wear protective clothing, goggles, impervious gloves and use NIOSH approved respirators. For industrial use only. Keep out of reach of children. This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.

SEE MATERIAL SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS.

FOR INDUSTRIAL USE ONLY

AMC100L IS FOR PROFESSIONAL USE ONLY

KEEP AWAY FROM CHILDREN

DISPOSAL:

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies.

MAINTENANCE:

For optimal floor appearance and performance following installation, refer to VSC's Floor Maintenance Instructions.

WARRANTY STATEMENT

Information about VSC products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, VSC cannot guarantee anything but the quality of its products. VSC warrants that its products meet the specifications set forth by VSC, but we reserve the right to change any given specification without prior notice. VSC DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of VSC products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of merchandise, purchaser has 30 days to notify VSC in writing that materials are defective. In the event VSC finds that the product delivered is off specification, VSC will, at its sole discretion, either replace the product or refund the purchase price thereof, and VSC's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of VSC exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. VSC will under no circumstances be liable for special, incidental or consequential damages. This warranty supersedes all other guarantees, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.



VANBERG SPECIALIZED COATINGS
PO BOX 19414
LENEXA, KS 66285-9414

July 29, 15
Data Sheets/WMC-100 DS 072815.doc