



SDS/User Guide





Vital Coat
V-100 Premium Sealer
Technical Data Sheet (TDS)

Description

V-100 Premium Sealer is a two-part Acrylic-Epoxy system that utilizes Vital Coat's unique acrylic resin. When mixed with **Vital Coat Activator**, this formulation will yield a water resistance shell within two hours of application which is a great advantage in case of inclement weather or other exposure to moisture. It takes **V-100 Premium** up to 72 hours to reach a full cure at ambient temperatures. Even quicker with elevated temperatures. The ambient dried coating will have excellent resistance to solvents such as Methyl Ethyl Ketone (MEK), Acetone and Isopropyl Alcohol. Detergents and cleaners will not remove this coating. It also resists staining.

Primary Applications

V-100 Premium Sealer is a recommended for Interior or Exterior applications. It will provide a protective coating to new or aged Concrete, Masonry, or Stone substrates. **V-100 Premium Sealer** works well on smooth surfaces will not change the natural color of your substrate. It will dry clear and provide an aesthetically pleasing finish and slight light reflection to the surface.

Features/Benefits

- *Resists Hot Tire Pick-up
- *Repels Oil Based Stains
- *Mold and Mildew Resistant
- *Corrosion Inhibitor
- *Water Resistant Finish
- *Non Yellowing
- *Excellent Adhesion
- *Keeps Concrete and Masonry Looking Fresh and Clean

Technical Information

Property	Result
Solids	20.00%
Appearance	Clear to translucent solution
Odor	Mild
Application Temperature	50°F - 85°F
Pot Life after Mixing Part A with Part B	72 hours
VOC Content	<25g/L
Dry to Touch	2 hours
Re-Coat Time	1 to 2 hours

Note*Higher temperatures will speed up activation time and decrease the pot life of our component products. For every additional 10 degrees in temperature, your coating's pot life will generally decrease by half. The ideal temperature for use is 80 °F.

Packaging

This product is available in 1, and 5 gallon containers. Other quantities available upon request.

Coverage

The coverage rate will vary depending upon surface porosity and application method use. The typical range is approximately 250 to 300 sq. ft. per gallon per application. Two applications are recommended with approximately 300 to 350 sq. ft. per gallon coverage . Avoid excessive build up.

Shelf Life

This product has a shelf life of up to one year in its original, sealed, unopened container prior to any activator or catalyst being added. If product appears to be hardened or separated contact Vital Coat before use.

Directions for Use

Surface Preparation: Concrete surfaces must be dry, structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Do not apply if rain is in the forecast within 24 hours.

Mixing: Separate the **Vital Coat Activator** (Part B) from **Vital Coat V-100 Premium Sealer** (Part A) and make sure you have all components required. Mix the entire contents of (Part A) into an appropriate size container for mixing. Add entire contents of (Part B) into the mixing container and mix using a spiral mixer of proper size for 5 to 7 minutes or longer if larger quantities until uniform. Let the mixed sealer rest until all foam and bubbles have dissipated (Approximately 25 min.). After resting, use product immediately. If mixing multiple containers, do not mix more than can be placed in 24 hours. Do not add water or mix with any other components not specified.

Placement: Prior to placement, always test the product on the surface to be treated in an inconspicuous area to ensure proper adherence and satisfactory appearance. Using an appropriate high pressure pump sprayer with a minimum flow rate of .5gal/min, apply a thin uniform layer of sealer in manageable coverage areas before moving to the next. Walk in dry areas only. Sealer goes on with a clear to slight white color but will dry clear. Avoid excessive build up. To remove excessive build up, immediately back roll with light pressure using a medium nap roller after spraying. A second coat is recommended using the same application method. Wait a minimum of 1 hour between coats.

Curing: Do not touch treated surface during curing. Do not add water or allow water to come in contact while curing. Protect surface from debris coming in contact with surface while drying. Allow to dry completely for approximately 48 to 72 hours before allowing heavy traffic on the treated surface.

Clean-up

Immediately after use, Clean tools and equipment with soap and water before the material hardens. Dispose of containers in accordance with local and federal regulations.

Precautions/Limitations

Before handling, consult the Material Safety Data Sheet and Container Labels for physical and health hazard information.

Do not allow products to freeze in storage or during application.

It is not recommended to apply Vital Coat Sealers over other types of sealers.

Minimum surface and ambient temperature of 45°F (7°C) and rising at the time of application.

For optimum results, condition material to 65°F to 85°F (18°C to 29°C) at least 24 hours prior to use.

Caution! This product when cured may be slippery when wet.

Never mix with any form of liquid or solvent. Improper thinning may cause sealer to delaminate in a short time frame.

Test in an inconspicuous area prior to use.

Dried or cured sealer may be removed using diamond grinding method or solvent.

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Vital Coat

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Phone: Toll Free 844-284-2858

Visit us at www.vitalcoat.com

Vital Coat - V-100 Premium - Concrete Sealer

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: V-100 Premium Concrete Sealer
Manufacturer: Vital Coat
2172 Arendell Way.
Tallahassee, Florida. 32308
Telephone: Toll Free 844-284-2858
Chemical Name: Water Based Acrylic CoPolymer
Product Use: Concrete, Brick, Block, and Masonry Sealer
For emergency: Contact 911
For Non Emergency
Health and safety
Information contact: Toll Free 844-284-2858

2. HAZARD IDENTIFICATION

Hazardous Classification of Chemical-----Non-Hazardous
Signal Word-----Not Applicable
Pictograms-----Not Applicable
Precautionary Statement-----None Known
Hazards Not Classified-----None Known

3. COMPOSITION INFORMATION

CHEMICAL AND COMMON NAME	CAS. NO.	PERCENT RANGE
Water	7732-18-5	75-80
Water Base Solution CoPolymer	Proprietary Blend	20-25
Acetic Acid	64-19-7	.30-.40
Formic Acid 90%	64-18-6	.05-.10

4. FIRST AID MEASURES

Eye Contact: Flush eyes with water for 15 minutes. Call a physician if irritation persists.
Skin Contact: Remove contaminated clothing/shoes and wipe excess from skin. Wash with soap and water for 15 minutes. Get medical attention if irritation develops.
Ingestion: If taken internally, induce vomiting and Call a physician immediately.
Inhalation: If irritation, headache, nausea or drowsiness occurs, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately.

5. FIRE FIGHTING MEASURES

Flash Point: None PMCC
Extinguishing
Media: According to NFPA Guide, use water spray, dry chemical foam or carbon dioxide.
Special Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA).
Unusual/Explosive
Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Notify the appropriate authorities immediately. Contain spill if possible. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or in a confined area. Wipe up or use suitable absorbent material and shovel into appropriate DOT approved container for disposal in accordance with local state and federal rules and regulations. Prevent entry into sewers or waterways. Avoid contact with skin, eyes or clothing. Contaminated clothing should be laundered before re-use.

7. HANDLING AND STORAGE

Precautions: Keep from freezing.
Storage: Store in closed anti-corrosive material containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection: Wear safety goggles, body-covering protective clothing, and rubber gloves. Wash exposed skin often with soap and water when working with product.
Protective Equipment: Direct access to eye wash facility and safety shower is recommended.
Ventilation: Use with adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear to slightly cloudy liquid with a mild acid odor.
Upper/Lower Flammability or Exposure Limits: None
Odor: Typical Acrylic
Vapor Pressure: Not Applicable
Odor Threshold: Not Applicable
Vapor Density: Not Applicable
pH: 5.5
Relative Density: 1.04 g/ml
Melting Point/Freezing Point: Liquid 32°F/0°C
Solubility in Water: Infinite
Boiling Point: 212°F/100°C
Flash Point: None
Auto Ignition Temperature: Not Applicable
Evaporation Rate: Same as Water
Decomposition Temperature: Not Applicable
Flammability: Not Flammable
Viscosity: <100 cps

10. STABILITY AND REACTIVITY

This material is stable. It is incompatibility with Alkaline Solutions will cause product to solidify. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

This product does not contain material shown to be a carcinogen by the National Toxicology Program (NTP), The International Agency for Research on Cancer (IARC) or OSHA.

12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment. A film or sheen may cause discoloration of the water surface or adjoining shoreline.

13. DISPOSAL CONSIDERATIONS

Classification: Disposed material is not a hazardous waste.
Waste Disposal Method: Dispose of only by methods approved by and used in accordance with local State and Federal Regulations.

14. TRANSPORTATION INFORMATION

D.O.T.: Not a regulated hazardous material for transportation.
Hazard Class: N/A.
UN/NA ID Number: N/A.
Proper Shipping Name: Not regulated.

15. REGULATORY INFORMATION

R.C.R.A.: This product does not meet the definitions or contain any substance appearing in the listings contained in 40CFR261.
This product does not contain or was manufactured with any EPA Class 1 or Class II ozone depleting substances.

16. OTHER INFORMATION

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

4=Extreme	3=High	2=Moderate	1=Slight	0=Insignificant
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Prepared by: Vital Coat. 9-9-19