



SDS/User Guide





Vital Coat
V-200 Protective Sealer
Technical Data Sheet (TDS)

Description

Vital Coat V-200 Protective Sealer is a high performance water-based two Part Acrylic Epoxy system that will provide an exceptional level of protection to many types of hard surfaces. Its unique formula is enhanced with cross linking technology to achieve maximum protection in a short amount of time. Vital Coat's **V-200 Protective Sealer** with cross linking technology enables the coatings to attach to concrete, stone, mortar, and clay tile substrates and will not peel, flake or fade. **V-200 Protective Sealer** with cross linking technology optimizes resistance to chemicals and abrasions. It resists mold and mildew which is essentially a "self cleaning" surface, making routine maintenance very easy and keeping your concrete looking fresh and clean. It is UV Stable and will not turn yellow. It will protect your concrete against frost and salts while increasing its resistance to stains, acids, oils, and moisture. It is environmentally friendly, non-toxic and non-flammable and does not contain hazardous components or release any VOC or noxious fumes.

Primary Applications

V-200 Protective Sealer is recommended for Interior or Exterior applications. It will provide a protective coating to new or aged Concrete, Masonry, or Stone substrates. **V-200 Protective Sealer** will dry clear and will keep the natural look to your concrete while providing an aesthetically pleasing light reflection and a smooth, finished look to the surface..

Features/Benefits

- *Protection from Freeze-Thaw Deterioration
- *Repels Oil Based Stains
- *Mold and Mildew Resistant
- *Will not peel, fade or flake
- *Permanently seals, protects and waterproofs many surfaces
- *UV Resistant, 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	24 hours
VOC Content	<30g/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-200 Protective 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 24 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-200

Protective Sealer

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: V-200 Protective Sealer
Manufacturer: Vital Holdings LLC.
2172 Arendell Way.
Tallahassee, Florida. 32308
Telephone: Toll Free 844-284-2858
Chemical Name: Water Based Acrylic Copolymer
Product Use: Concrete, Brick, Block, and Asphalt
For emergency: Contact 911
For Non Emergency
Health and safety
Information contact: Toll Free 844-284-2858

2. COMPOSITION INFORMATION

CHEMICAL AND COMMON NAME	CAS. NO.	PERCENT
Water	7732-18-5	<50%
Water Based Acrylic CoPolymer	Proprietary Blend	> 50%
Amorphous Silica	Proprietary Blend	<10%
Ethyl Alcohol	64-17-5	<1%

3. HAZARD IDENTIFICATION

Eye Contact: Can cause moderate eye irritation. Wash eye thoroughly with plenty of water. Seek medical attention if the symptoms persist.

Skin Contact: Prolonged or repeated contact may cause skin irritation and dermatitis.

Ingestion: Swallowing may cause severe intestinal irritation, diarrhea, nausea and vomiting.

Inhalation: Excessive inhalation of vapors can cause respiratory tract irritation, dizziness, weakness, nausea and possible unconsciousness.

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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, rinse mouth, do not 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: This material is noncombustible.

Extinguishing Media: According to NFPA Guide, use water spray, dry chemical foam or carbon dioxide as well as using extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA).

Unusual/Explosive Hazards: None known

6. ACCIDENTAL RELEASE MEASURES

Wipe up or use suitable absorbent material and shovel into appropriate DOT approved container for disposal. Disposal in accordance with local state and federal rules and regulations. Avoid contact with skin, eyes or clothing. Contaminated clothing should be laundered before re-use. Prevent Spills from entering sewers or waterways.

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. Avoid contact with skin, eyes or clothing. Contaminated clothing should be laundered before re-use.

Protective Equipment: Direct access to eye wash facility and safety shower is recommended.

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Ventilation: Use with adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear to slightly cloudy liquid with a mild acid odor.

Boiling Point: 212°F

Vapor Pressure: Same as water.

Flash Point: Same as water.

Solubility in Water: Soluble.

Specific Gravity: 1.1 g/ml

pH: Approximately 6.0

10. STABILITY AND REACTIVITY

This material is stable. It is incompatible with Alkaline Solutions which will cause product to solidify. Hazardous polymerization does 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. Contains <.1% Ethanol – CAS. No. 64-17-5.

12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment.

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

US Federal

Regulations: Components of this product have been checked against the non-confidential TSCA Inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing or are listed on the confidential inventory as declared by the supplier.

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

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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.