



SDS/User Guide





Vital Coat Shingle Shield Roof Sealer Technical Data Sheet (TDS)

Description

Vital Coat Shingle Shield is a two part Water Based Solution Copolymer. This environmentally friendly polymer bonds quickly to create a durable protective coating that can be applied to many types of roofing materials. Vital-Coat Shingle Shield will provide a water resistant layer that will help extend the life of your shingles. The finished look of Vital-Coat Shingle Shield leaves a clear, beautiful sheen that can be cleaned with detergents and cleaners with no impact to the coating.

Primary Applications

Vital Coat Shingle Shield is an excellent alternative for extending the life of your roof shingles. Especially shingles that are experiencing excessive deterioration.

Features/Benefits

- *Helps Extend the Life of the Shingles
- *Provides a Protective Coating that Resist Water
- *Mold and Mildew Resistant
- *Seals Minor Holes to Prevent Leaks
- *Water Resistant Finish
- *Non Yellowing
- *Excellent Adhesion
- *Reduces Granule Loss to Help Increase the Life of the Shingles

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 300 to 400 sq. ft. per gallon per application. Two applications are recommended with approximately 350 to 450 sq. ft. per gallon coverage on second application. 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: Surfaces must be dry, structurally sound, free of loose or deteriorated shingles, free of mold and mildew, and free of dust, dirt, 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 Shingle Shield 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 pump sprayer, medium nap roller or a brush, apply a thin uniform layer of sealer in manageable coverage areas. If using a roller or brush, use slow deliberate movements to prevent any foaming of sealer. Sealer goes on with a clear to slight white color but will dry clear. Avoid excessive build up. 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. Sealer will be dry to touch within 1 hour and will cure within 24 hours.

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.

Placement of Vital Coat Shingle Shield may void the shingle manufactures warranty. Consult with shingle manufacturer before use.

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Vital Coat

2172 Arendell Way - Tallahassee, FL 32308

Phone: Toll Free 844-284-2858

Visit us at www.vitalcoat.com

Vital Coat

Shingle Shield

Roof Sealer

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:-----Shingle Shield Roof Coating
Chemical Name:-----Water Based Acrylic CoPolymer
Formula:-----Proprietary
For Emergency:-----Contact 911
Non Emergency Health Hazard Phone Number:-----1-844-284-2858
Recommended Use:-----Coating or Sealer
For Emergency:-----Contact 911
Manufacturer:
Vital Coat
2172 Arendell Way
Tallahassee, Florida. 32308
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 ON INGREDIENTS

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

1 | NxTech Holdings LLC - 2172 Arendell Way, Tallahassee, Fl. 32308
Toll Free 844-284-2858 | M-F 8:00 a.m. – 5:00 p.m.
www.vitalcoat.com

SAFETY DATA SHEET

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.

5. FIRE FIGHTING MEASURES

Flash Point-----This material is noncombustible 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 Known

6. ACCIDENTAL RELEASE MEASURES

In the event of a spill: Wipe up or use suitable absorbent material and shovel into appropriate DOT approved container. An acceptable method of disposal is to burn in an incinerator in accordance with local state and federal rules and regulations. Do not dispose into sewer system.
Evacuation Procedures-----Not Applicable
Protective Clothing-----Gloves, Safety Glasses

7. HANDLING AND STORAGE

Precautions-----Keep from freezing.
Storage-----Store in closed anti-corrosive material containers.
Ventilation-----Not Necessary

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection-----None needed at ambient or elevated temperatures.
Personal Protection-----Wear safety goggles, body-covering protective clothing, and rubber gloves. Wash exposed skin often with soap and water when working with product.
Ventilation-----Normally not necessary. If dizziness occurs, move to fresh air.
Exposure Limits PELs-----Not Applicable
Threshold Limit Values-----Not Applicable
Special Requirements
For PPE-----Safety Glasses

SAFETY DATA SHEET

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-----Alkaline
Relative Density-----1.021
Melting/Freezing Point-----Liquid/32°F/100C
Solubility in Water-----Infinite
Boiling Point-----212°F/100C
Vapor Pressure-----Same as Water
Flash Point-----None
Auto Ignition Temperature-----Not Applicable
Evaporation Rate-----Same as Water
Decomposition Temp.-----Not Applicable
Flammability-----Liquid/Not Flammable
Viscosity-----<100cps

10. STABILITY AND REACTIVITY

Reactivity-----Not Reactive, Polymerization will Not Occur
Chemically Stable-----This Material is Stable
Other-----Anionic or High pH Materials Can Cause Precipitation

11. TOXICOLOGICAL INFORMATION

Short Term or Long Exposure-----Has Not Been Tested
Acute Toxicity Lethal Dose-----Has Not Been Tested
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

Disposal Container-----Plastic Container, Fiber Drum with Lining, IBC or Tote
Where to Dispose-----Accredited Disposal Company that can Deposit Waste in Landfill

SAFETY DATA SHEET

14. TRANSPORTATION INFORMATION

UN Number-----Non-Hazardous, Does Not Apply
UN Proper Shipping Name-----Non-Hazardous, Does Not Apply
International Maritime Dangerous Goods Code -----Non-Hazardous
International Bulk Chemical Code-----Non-Hazardous
Land Transport-----Non-Hazardous
Air Transport-----Non-Hazardous

15. REGULATORY INFORMATION

Not Regulated

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

TSCA Registered-----No
Canadian DSL-----No

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Prepared by: Vital Coat.
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