

# VITAL COAT

## Shingle Shield™ Roof Sealer

### Installation and Care Guide



## Application Requirements

**Vital Coat Shingle Shield** features a durable two-part acrylic formula with **PosiCoat™** technology designed to bond to worn damaged roofing surfaces providing a strong coating to help preserve and extend the life of the roof. In order to receive the full benefit of the Shingle Shield application, it is important follow the necessary steps to successfully apply and care for your roof to meet the requirements of your warranty.

## Initial Roof Assessment

Prior to the application of your roof, an authorized Vital Coat installer must perform a roof assessment to determine the condition of the roof, the efficacy of the use of Shingle Shield as well as viability of warranty. Severe damage or significant ageing of the shingles may prevent the ability to warranty the product.

1. Home identification, name and address of service address.
2. When was house constructed?
3. How old is the roof?
4. What type of roof? (Asphalt Shingle, Wood, Clay, Concrete, Slate, etc.,)
5. Is there any existing warranty on the current roof?
6. Are there any building codes that prevent the use of roof sealers in your area?
7. Any active leaks?
8. Is attic properly ventilated to allow for heat to escape?
9. Are shingle distorted due to excessive heat from exposure or attic temperatures?
10. Any damaged areas, (broken shingles, cracks, etc.,)
11. List of repairs required before application.
12. Has the roof ever been treated with any other roof treatment or sealer?
13. Any mold and mildew present?
14. Is cleaning required before application
15. Condition of granules present.
16. Pictures taken of the roof condition prior to being serviced.

# Preparing Roof for Shingle Shield Application.

Surface preparation before applying a sealer to the roof is extremely important. Ensure that the roof is free of active organic growth and or stains from mold or mildew on the shingles. The roof should be structurally sound and free of loose or deteriorated shingles. All damaged areas should be repaired prior to application. Repair or fill leaking areas with appropriate roof caulk or sealant. The roof should be cleaned by a professional roof cleaning contractor to prevent further deterioration of the roof. Ensure that there is no other water repellant treatment on the roof to provide best adhesion of the product. **Always test the product on the surface to be treated in an inconspicuous area to ensure proper adherence and satisfactory appearance.**

## When to Apply Shingle Shield™ to your Roof

When you apply sealer is important as well. Here are some guidelines:

- Shingle Shield must be applied under dry conditions. Applying to damp substrates could cause haziness or loss of adhesion.
- Air temperatures should be above 50°F and below 85°F during sealer application. It is best to perform the application in the morning hours due to the heat of the shingle. Heat directly impacts the workability of the sealer. The hotter it is the faster it will dry on the shingle.
- Do not apply Shingle Shield Sealer when rain is forecasted within 24 hours.

## How to Apply Shingle Shield™

Using the right tools is critical to achieving the best coverage rate and sealer thickness for optimal performance. The most common method of applying the sealer is using a pump-up sprayer and roller for back rolling when necessary. Review the Shingle Shield Technical Data Sheet and follow the Directions for Use. It will include in more detail the surface preparation requirements, mixing of product, placement, coverage, curing and clean up. Below is recommended application techniques to achieve best results.

1. Begin the application from the low side of the roof and work your way up. This helps eliminate any streaking from excess runoff if it occurs.
2. Ensure that the pump-up sprayer maintains proper pressure to produce a consistent, even amount of product on to the shingles. Avoid using sprayers that drip or cause splatter.
3. Maintain tip about 8 to 10 inches from the surface being treated (more or less depending on the type of sprayer) and apply with steady, even strokes in a manageable area.
4. Continue this up until you reach a good break point and then begin again at the low side working each section up against the previous wet area. Continue this until entire roof is covered.
5. Allow to dry, (minimum 30 min.) and apply second coat thin coat in a perpendicular or diagonal pattern to the first coat. This will ensure the coverage in areas that may be missed or too thin.

Always strive achieve the recommended maximum coverage. The typical coverage rate is 250 to 300 square feet per gallon, depending on the porosity and condition of the shingles.

CAUTION: Always ensure that you are using the proper gear and fall protection when on your roof.

## How Many Coats?

The most important rule to remember is that less is more. A thin coat is all that is needed. It's recommended to apply the sealer in two thin coats with the first coat at a minimum of 300 sf/gal. Make sure the sealer doesn't puddle, or create excessive build ups. When applying a second coat of sealer, apply it in the opposite (perpendicular) or diagonal direction to the first coat to ensure even coverage. Wait to apply the second coat of sealer for the time recommended (1 hour).

## Roof Care Guide

If you want to keep your roof looking great for a long time after sealing, follow the following steps as well as manufacturer's recommendations found on the Technical Data Sheets.

1. **Perform routine inspections.** - Inspections should be made at least twice a year. Once in the spring and once in the fall. Spring inspections help identify any winter damage from ice or snow. Fall inspections identify any repairs needed for the upcoming winter. Always inspect your roof after major storms that could affect the roofing system.
2. **Keep your roof clean of debris** – Debris on the roof will hold water and cause the shingle and sealer to deteriorate. Keep the valleys free of debris and keep your gutter and downspouts clear to ensure proper drainage.
3. **Keep surrounding tree branches pruned to prevent hanging over the roof.** – Tree limbs or branches touching the roof will scrub and cause damage to the sealer and the roof. This also helps prevent varmints such as squirrels from climbing on the roof.
4. **Secure loose shingle tabs.** – Whenever you have a loose shingle, it can be fixed by either replacing the shingle or using a little roof cement to secure it back into place. Regularly inspect any caulking and flashing to prevent leaking.
5. **Maintain your roof.** – Keeping your roof clean is important. It is recommended to use a professional licensed soft wash company to clean your roof. Do not allow unqualified personnel to maintain your roof. Clean your roof annually or more frequent if needed depending on your conditions. Do not use high water pressure devices or harsh chemicals to clean your roof. Water and laundry grade detergents are all that is necessary to maintain your roof.