

SteelShield-RTT3

Application Procedure

Surface Preparation: Application surfaces must be structurally sound, and the overall structural integrity of the asset is critical to the overall success of any coating or overlay. Some surface damage such as deterioration, cracks and spalls can occasionally be repaired, but RTT-3 does not provide structural improvement or enhancement. RTT-3 has been formulated to penetrate into tightly adhered intact rust, and bond with the substrate surface.

Other materials (such as petro-chemicals) which could interfere with this process, must be removed. Remove any loose, soft, or contaminated materials from the area that will be repaired or resurfaced.

A comprehensive prep system for RTT-3 will include the following program: Remove all loose debris using a hand pump or spray on a degreaser over the entire area, let sit for 5 minutes (allowing degreaser to sit for longer will NOT increase effectiveness), and then completely rinse 2 times. Let dry for 30 minutes before any further application.

With extreme surface dirt or oil, you may have to apply a second time. You must repeat this process until the substrate is free of any petro-chemical substances. General Application Information RTT-3 can be applied using a sprayer, brush, trowel or roller depending upon the application tools available.

To avoid mud cracking, do not use too much material on a single coating. Instead, use less material across 2 layers, and make sure the previous layer properly dries before adding a new layer.

Brush edges or corners before spraying the surface to ensure enough material is in contact with the substrate

Airless Spray Application: Line pressure should be 1,800 to 2,200 lbs Spray tip sizes that can be used: 311 - 617 Use a line size of 1/4 inch at your spray gun with an in-line filter when spraying, hold your spray gun 12-24 inches from the substrate at a 90-degree angle to achieve minimum over-spray.

First pass: Spray 2-2.5 wet mils (max) all in one direction, for instance "East-West." Allow at a minimum 10-15 minutes for this pass to dry.

Second pass: Spray another 2-3 wet mils (max) in an alternate direction, for instance "North-South." Dry film thickness when both applications are done should be as close to 2 mils as possible. Do not over build each spray application exceeding recommended wet film thickness of 2-2.5 mils or else material will run.

Conventional Spray Application: We only recommend using quality conventional spray guns from brands like: Binks, DeVilbiss, etc. Spray pot pressure: 20-40 lbs Spray air pressure: 40-60 lbs - adjust to your environmental conditions. When spraying, hold your spray gun 12-18 inches from substrate at a 90-degree angle to achieve minimum over-spray.

First pass: Spray 1.5-2.5 wet mils (max) all in one direction, for instance "East-West." Allow at a minimum 10-15 minutes for this pass to dry.

Second pass: Spray another 1.5-2.5 wet mils (max) in an alternate direction, for instance "North-South."

Brushing or rolling: The applicator should treat the brushing or rolling of RTT-3 the same as a latex paint when it comes to consistency when mixed properly. When brushing on a vertical surface, start from the bottom-up, there should be virtually no liquid running down the substrate. Brush marks may be visible after the first brush or roller pass, but after a second pass the surface will be smoother. Brushed or Rolled surfaces will not have as glossy a surface as a sprayed application. Continue to agitate the RTT-3 solution during application. Let each coat dry completely before applying a second coat. Edges: Ensure proper coverage on edges, as during normal hydrolysis induced cure, the material may become thinner than expected. Brush edges or corners before spraying the surface to ensure enough material is in contact with the substrate.

Dry film thickness when both applications are done should be between 1.5 to 2.5 mils. Do not over build each spray application exceeding recommended wet film thickness of 1.5-2.5 mils or else material will run.

All spraying equipment must be cleaned. If there is any break in the spraying procedure, water should be immediately used to clean the nozzle and hose. For any RTT-3 that has started to dry, use common solvents like paint thinner to clean.

WARNING

YOUR EQUIPMENT MAY BE PERMANENTLY DAMAGED IF NOT CLEANED WITH PLENTY OF FRESH, CLEAN WATER DURING ANY INTERRUPTION IN SPRAYING.