

Instructions

Nyalic Clearcoat Rust and Corrosion Protectant



KIT CONTENTS

- 4 – Nyalic quart cans – 1 quart covers approx. 300 ft²
 - 2 – Simple Prep™ – 32-ounce bottles (degreaser)
 - 1 – Right Rinse™ – 32-ounce bottle (cleanser)
 - 3 – Nyalic Aerosol – 12-ounce cans
 - 2 – Nyalic Protective Wrap
 - 3 – Gray scrub pads
 - 1 – Soft bristle brush
 - 3 – Lint-free paper towels
- Not included: Wash bucket, garden pump sprayer and spray gun

FOR THE FOLLOWING KITS

AG&CNSTR-BH4 / Backhoe

AG&CNSTR-CV4 / Conveyor

AG&CNSTR-DZ4 / Dozer

AG&CNSTR-EX4 / Excavator

AG&CNSTR-MH4 / Material Handler

AG&CNSTR-SS4 / Skid Steer

AG&CNSTR-SW4 / Sweeper

AG&CNSTR-TH4 / Telehandler

AG&CNSTR-TR4 / Tractor

AG&CNSTR-TRL4 / Trailer

AG&CNSTR-WL4 / Wheel Loader

Purpose: Rust and corrosion protection for ag, farm, ranch and construction equipment.

Benefits: Extends equipment life, reduces downtime and maintenance costs, preserves residual value and maximizes resale value.

Environments: Corrosive environments such as salt, urea, fertilizer, manure, potash, chlorides, acids and more.

FOR BEST RESULTS

Please read the following instructions to ensure Nyalic is applied under the best possible conditions to ensure long-lasting, permanent results.

The application temperature should be between 55°F and 95°F (12.8°C – 35°C) with the dew point and temperature not less than 5°F (3°C) difference. The warmer the temperature in this range, the better the coating will cure. Application at temperatures below 55°F (12.8°C) may result in peeling or may cause moisture to be trapped in the coating resulting in a white or cloudy appearance.

Do not apply Nyalic in hot sunlight or if the surface is hot to your hand. Surface temperatures above 120°F (48.9°C) may result in inadequate product flow or dry spots from the solvent flashing off too quickly.

To avoid streaking marks, do not allow the cleaners to dry on the surface.

Test decals to make sure Nyalic does not adversely affect them. Use the aerosol can and spray a small area of a decal to make sure the Nyalic does not smear or lift the decal.

SAFETY RECOMMENDATIONS

- Wear safety glasses or a face shield at all times when cleaning, rinsing, using blowers, air compressors, sprayers and when working around chemicals and mechanical equipment.
- Wear NIOSH approved respirators when working around any paint or coating that is sprayed or in locations where fumes may accumulate.
- Wear appropriate clothing and gloves to keep cleaners and coatings off your skin.
- No smoking or open flames in the coating area or in a coating and chemical storage area.
- Refer to local, state and federal regulations for the proper disposal method of empty containers and supplies used to prepare surfaces, apply coatings and clean up equipment.

INSTRUCTIONS

Even painted surfaces of new machines may have a variety of chemicals on them, including polish, wax residues and cleaner residues. All surface residues must be completely removed to ensure good adhesion of the Nyalic.

1. Inspection and Panel Removal

Park the machine in your wash area.

Remove panels. This allows for access to the interior of the machine and allows you to coat the backsides of the panels. Place the panels on a pallet.

Tightly close all doors, windows, roof vents on your equipment.

IMPORTANT: At this time, it is prudent to wipe away as much grease from the surface as you can. Do this before washing the machine in order to avoid spreading grease to surrounding surfaces and getting your scrub brushes contaminated. Use acetone or xylene with paper towels and with scrapers to remove the grease.

2. Wash Down

Rinse the machine with fresh water.

PRO TIP: Use a hot water pressure washer if available. This will help remove grease and grime that might contaminate soaps and brushes.

Wash with Simple Prep™

In a 5-gallon bucket, mix 1 quart of Simple Prep (degreaser) and 3 quarts of clean hot freshwater. Using a garden pump sprayer works well to allow you to spray the Simple Prep on the surface.

Wet the surface of the machine with water. Use the scrub brush and the Simple Prep to wash small sections of the machine to remove loose debris and surface dirt. **DO NOT USE SIMPLE PREP TO CLEAN THE ENGINE COMPARTMENT.** Periodically check the brush to make sure grease, etc. does not stick to the brush. If any grease is noticed, clean the brush. Use the gray scrub pads with the Simple Prep to remove difficult black streaks. Rinse with plenty of fresh water.

Be sure to clean panels and any other parts you may have removed.

After the machine has been washed with the Simple Prep and has been thoroughly rinsed off, empty any remaining Simple Prep from the bucket and clean out the bucket with fresh water. Use the pressure washer to wash out the bucket and scrub brush.

Wash with Right Rinse™

In the wash bucket, mix 1 quart of Right Rinse with 3 quarts of warm water. Using a garden pump sprayer works well to spray the Right Rinse on the surface and into the engine compartment for cleaning.

Wet the surface of the machine with water. Use the scrub brush and Right Rinse to wash the machine to remove any remaining debris

and soap film. Spray Right Rinse in the engine compartment. Rinse with plenty of fresh water.

Test the surface for cleanliness. Apply water to the surface and check to see the water sheets off of the surface. If the water beads up or runs around a spot, the machine is not entirely clean. Re-clean the areas of the that show signs of contamination.

Be sure to clean panels and any other parts you may have removed.

After the machine has been washed, dry the surface completely.

Remember to dry the panels.

PRO TIP: If available, use filtered shop air or an electric leaf blower to get water out of areas from which water may later seep out and drip onto the fresh Nyalic coating.

Move the machine inside to a covered area, a paint booth is preferable. If inside, elevate the temperature to about 90°F (32.2°C) if possible. The temperature must be above 55°F (12.8°C). Place the Nyalic in the same area as the machine in order to let the product warm to the same temperature.

If possible, leave the machine overnight to dry and warm. If not, allow at least 2 hours for drying and warming.

Before applying Nyalic, inspect the surface. If you notice any water marks, remove them using a plain white paper towel and BOTTLED water.

3. Nyalic Application

For smaller hard-to-reach areas and the engine compartment, begin with aerosol Nyalic.

DO NOT SHAKE THE AEROSOL CAN, or IT WILL CREATE AIR BUBBLES IN THE COATING. However, if you do see any bubbles leave them alone, and they will disappear as the coating dries.

Use Nyalic aerosol to lightly spray Nyalic around difficult to reach areas and on all fittings, fasteners, metal overlaps, leading edges and especially electrical connections. Be sure to coat the engine compartment.

NOTE: The red nozzle tip can be rotated 90 degrees to change the fan pattern from horizontal to vertical to facilitate a more efficient application.

Finish the job by spraying liquid Nyalic.

IMPORTANT: Care should be taken to ensure no contamination from previous paint media or solvents from within the spray equipment or paint lines remain in the system. These contaminants will cause problems with the Nyalic application. If in doubt, we recommend a new inexpensive HVLP sprayer for exclusive use in applying Nyalic. We recommend a thorough cleaning of the spray equipment, both before and after coating, with xylene or acetone. We also advise filters for air lines for both oil contaminants and water.

For optimum results, preheat the surface to be coated to at least room temperature or up to 90°F (32.2°C). Also, warm the Nyalic in the

booth or spray area to the same temperature. If coating outside, ensure that the surface temperature is above 55°F (12.8°C) but below 120°F (48.9°C).

Nyalic can be sprayed with a variety of spray guns; however, because Nyalic is about as viscous as water, it must be sprayed with a fine finish fluid tip (1.0mm – 1.4mm) with a fan pattern nozzle. Select an air cap that gives the best atomization with this needle size. Nyalic must be applied in thin coats to avoid runs and sags. DO NOT use a garden tank pump sprayer to apply Nyalic.

PRO TIP: Inexpensive spray guns are available at most hardware and home improvement stores.

For the best appearance and to achieve effective corrosion protection, spray liquid Nyalic over the body, engine compartment and larger areas of your machine. Be sure to spray Nyalic on the radiator, inner coolers, electrical connections and all major components. Remember, ventilation should be used when spraying as Nyalic can fog an enclosed area.

Take your time and lightly apply the Nyalic to ensure no excessive overlapping that may produce runs. If the Nyalic does not appear to flow out evenly and you notice runs, immediately dampen a plain white, lint-free paper towel with Nyalic and lightly wipe through the run. Feathering a second pass will even out any wipe marks. This technique ensures the surface tension is broken and forces Nyalic into the pores of the surface. At this point, don't worry if the Nyalic appears somewhat uneven; the product is self-leveling and will flow out as it dries.

Equipment cleanup is simple and easy with xylene or acetone.

4. Drying Process

Allow the Nyalic coat to Dry. The Nyalic coating will be dry to the touch in about 30 minutes depending on temperature and humidity. If using a paint booth, allow the surface to dry for one (1) hour before moving the machine out of the booth. After one hour in the booth, move the machine out of the booth, but keep it in a covered area and at room temperature.

After 24 hours you should be able to lightly handle the surfaces if necessary. Panels can be reinstalled at this time. Once reinstalled and the fasteners are tight, use the Nyalic aerosol to spray the fastener heads.

Let the unit sit for no less than 48 hours to allow the Nyalic to cure. During cool weather months, Nyalic coated surfaces must remain above 55°F (12.8°C) for 5 days. These parameters must be considered before transporting the machine after the Nyalic application keeping in mind that wind-chill can drastically lower the surface temperature.

To Remove Nyalic

If necessary, Nyalic can be removed by wetting a white paper towel with xylene (purchased at most paint and hardware stores) and wiping firmly. Use caution with xylene; it could affect painted surfaces and decals.

ADDITIONAL CAUTIONS:

The application of Nyalic outside any of the recommended parameters for temperature, humidity and time risks failure of the application.

To avoid streaking, do not allow the cleaners to dry on the surface.

The storage of a Nyalic-coated surface outside any of the recommended parameters for temperature, humidity and time risks failure of the application. If a moisture event is expected (rain, snow, dew), do not put the machine outside before the recommended storage time.

5. Nyalic Coating Care - Immediately After Application

Avoid getting the Nyalic coating wet for at least 48 hours.

Placing a plastic covering on the machine may cause the coating to stop curing and/or cause the plastic covering to stick to the coating. The surface will then always remain sticky, and the product will have to be removed and reapplied.

Avoid exposing a Nyalic-coated surface to temperatures below 55°F (12.8°C) for at least 24 hours.

After coating, and only if necessary, rinse the machine with fresh water, and do not scrub the surface for the first 2 weeks of service.

6. Nyalic Coating Care - Cautions and Recommendations

Do not wax, polish or buff a Nyalic coated surface; doing so will dull and damage the coating.

Do not use strong alkali or solvent-based cleaners on a Nyalic-coated surface; they are not needed. Doing so will damage the coating.

It is strongly suggested to avoid the use of re-cycled water to wash a Nyalic coated surface, especially if you are not certain the water is free of any chemical solvent contaminants which can dull or damage your Nyalic coating.

We recommend you periodically inspect the coating for scrapes, scratches or fuel spills and repair any damaged area promptly.

To clean a Nyalic coated surface, we recommend Right Rinse mixed 1 quart with 3 quarts warm water. Wet the surface and then, using a soft bristle brush, lightly scrub the surface to remove dirt and contaminants. Rinse with plenty of clean water. We do not recommend washing with pressure washers because pressures vary, and it is too easy to get too close with the high-pressure spray and cause damage to the coating.

EXPERT HELP AT YOUR FINGERTIPS



If you have any questions or need help with the application process, we're here for you. Contact Nyalic Technical Support at **706-253-1920**.



To order Right Rinse cleaner and Nyalic aerosols, visit us at **www.nyalic.com**.