



ShieldChlor-Rid

Extended Coating Performance

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Product Description

The ShieldChlor-Rid is a one Step application process decontaminates surfaces at the molecular level, eliminating visually undetectable levels of highly corrosive substances, providing a uniform receptive surface prior to coatings application. The result is that protective coatings are more durable, more corrosion resistant and, therefore, substantially less likely to require frequent maintenance cycles, in other words; assets last longer and cost less to maintain. ShieldChlor-Rid is simple, safe, and straightforward.

Intended Uses

For use anywhere a protective coating will be applied to a metal substrate and extended coating performance is desirable. Coatings applied over a ShieldChlor-Rid cleaned surfaces significantly outperform and extend coating service life when compared to coatings applied over substrates prepared according to conventional surface preparation standards or competitive surface preparation products.

ShieldChlor-Rid does not leave any residue and is NOT a film-former; it can be used with ANY coating system including TSA (thermal spray aluminium).

Before and After Welding: ShieldChlor-Rid improves welding by removing contaminants that negatively affect puddling and weld porosity. ShieldChlor-Rid also cleans weld flame residue and other surface contamination after welds have cooled.

New Construction / Fabrication: ShieldChlor-Rid WAB System expedites new steel construction by aiding in the removal of aggregate non-visible contaminant loads so that blasting time and blast media usage can be minimized.

Surface Preparation Equipment

- WAB: Wet Abrasive Blast
- WAVB: Wet Abrasive Vapor Blast
- POWER WASHING: After Dry Abrasive Blasting
- UHP: Ultra High-Pressure Water Blasting

Mixing Ratios @ 100:1

ShieldChlor-Rid is a liquid material typically supplied in 5-gallon pails. Each 5-gallon container of ShieldChlor-Rid concentrates typically make 500 gallons of useable product when properly mixed with chlorine-free water.

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- 5 Gallons ShieldChlor-Rid = Typically 500 gallons of ShieldChlor-Rid
- 1 Gallon ShieldChlor-Rid = Typically 100 gallons of ShieldChlor-Rid

Storage & Shelf Life

Store at ambient temperatures in a well-ventilated area and keep container tightly closed when not in use.

Two (2) years for time of purchase.

Working Pot Life

Mix only as much ShieldChlor-Rid as is needed for the project or can be used within 2 to 5 days after mixing.

Application Methods

Apply ShieldChlor-Rid per normal wet abrasive vapor blast process. When all areas have been thoroughly vapor blast cleaned, switch to Rinse Only phase on vapor blast equipment, or disconnect grit pod as needed to ensure Rinse Only phase. Final rinse with ShieldChlor-Rid only (no grit) will ensure removal of any grit residue that may remain from blasting procedure. Dry time will depend on ambient conditions such as humidity, wind, etc. Surfaces are ready to coat when dry. In cool, humid conditions increasing airflow over the substrate may speed up drying time. Be careful not to contaminate the surface.

ShieldChlor-Rid prepared surfaces will not "rust back" or "flash rust," if contaminants have been thoroughly removed, but atmospheric contaminants may settle on the ShieldChlor-Rid prepared surface if left exposed and unpainted. ShieldChlor-Rid only areas, which can be coated soon after the substrate is dry, preferably during the same shift or the same workday.

Effectiveness of the ShieldChlor-Rid process may be confirmed by testing the surface for residual iron salts using Potassium Ferricyanide impregnated paper or commercially available contaminant testing kits.

Work Stoppages

Once ShieldChlor-Rid has been mixed, should remain covered until applied. Contact ShieldCrete® International technical support for further assistance.

Cleanup

Clean hoses and equipment after each use. Do not allow ShieldChlor-Rid to remain in equipment or hoses for extended periods of time. Flush all equipment with water. Collect and dispose of cleanup waste in accordance with all local, State, Federal, and other ordinances.

Physical Data

Color: Clear to amber/straw liquid.

Theoretical Coverage

15-20 US gallons per hour per nozzle of properly mixed ShieldChlor-Rid.

Be sure to allow for normal loss factors during mixing, handling and application when estimating practical coverage.

Packaging Availability

Available in 1-gallon jugs, 5-gallon pails, 55-gallon drums, and 275-gallon totes.

Weight: 8.1 lbs. per gallon

