



RIO-GUARD

INTEGRATED STAIN GUARD CONCRETE SLAB PROTECTOR CONCENTRATE

PRODUCT DESCRIPTION

RIO-GUARD is a proprietary water-based polymer stain Guard which bonds to any concrete slab or cementitious topping. RIO-GUARD protects slabs from oils, food based acids and other contaminants that can damage concrete. RIO-GUARD protection also allows for extended clean-up times, increased shine and enhances colored concrete. RIO-GUARD application is recommended as a final step in polishing concrete floors.

RIO-GUARD is a concentrated polymer based cleaner that's fortified with amorphous colloidal silica which we manufacture in house under the trade name "NanoPOUR" in fact, we do not know of any other cleaner manufacturer that actually manufactures their own silica nano particles from raw materials. This allows us to do more things with concrete slab cleaners than competition. a good example of this is the fact our cleaner can be frozen, thawed and applied without causing any damage to the material.

RIO-GUARD is a zero voc formula that is also non-toxic and nonflammable.

FEATURES AND BENEFITS

- Proprietary Water Based Polymer Formula
- Superior Stain Resistance to Food Acids & oils
- Freeze/Thaw/Use Resistant Chemistry
- Saves on maintenance/repairs to floors subjected to frequent surface contamination
- Prevents acid etching, blocks oil and road salt penetration)
- Protects all concrete floors when applied as directed
- Enhances reflectivity and colors for concrete floors
- No VOC's, Non-Hazardous and non-Flammable
- Compatible With All RIO Systems

PACKAGING

1 Gallon Bottle / 3.78 Liters

5 Gallon Pail / 19 Liters

55 Gallon Drum / 208 Liters

275 Gallon Tote / 1021 Liters

Note: This is a concentrated product and will yield 5 times the volume when mixed with clean potable water.

Example: 1 gallon bottle of concentrate makes 5 RTU Gallons

COVERAGE

RIO-GUARD will cover 1,000 square feet per mixed gallon.

STORAGE AND SHELF LIFE

We recommend storing RIO-GUARD in original containers with the lid fastened tightly. restore has a shelf life of 24 Months from the date of manufacture. please keep Cleaner+ in a dry place within ambient conditions of 40-100 degrees Fahrenheit.

Note: Freezing will not impact restore's performance. just thaw and use.

MIXING AND APPLICATION

Dilution: Mix Ratio for RIO-GUARD is 4 gallons of clean potable water to 1 gallon RIO-GUARD

Note: To facilitate mixing and agitation, place Cleaner+ into the mixing vessel first and then fill with clean potable water.

EQUIPMENT

Apply RIO-GUARD using a Pump Sprayer

PRE-APPLICATION

Best practice to cover all area, surface and objects with plastic sheeting. please be aware of capillary absorption if wood or drywall is present and protect as needed.

Measure square footage of project area (Square feet / Square Meter)

APPLICATION

STEP: 1

Mix (1) part RIO-GUARD with (4) parts water into a pump sprayer. Traveling across the slab in an east to west direction, apply RIO-GUARD solution generously without puddling at a coverage rate of 1,000 square feet per gallon.

NOTE: Tuff-Track Process mix ratio is 2 parts water and 1 part RIO-GUARD.

STEP: 2

Work the RIO-GUARD across the sprayed area with an RIO-GUARD dampened

microfiber pad, moving the pad in a north/south motion first before using a figure 8 pattern to spread the RIO-GUARD solution evenly.

Allow 2 to 4 hours dry time before final burnishing.

STEP 3:

Use a high speed burnisher mounted with a burnishing heat or hogs hair pad in a north/south, east/west pattern. Dry mop floor and, following the same process, apply a second coat of ISG.

Burnish after drying within 4 hours.

LIMITATIONS

RIO-GUARD provides protection from staining and etching agents, but it will not seal or prevent staining indefinitely. We recommend removing stains and spills within 20 minutes assure protection.

Do not clean with acidic or abrasive cleaning products. We recommend cleaning with RIO-CLEAN.
-Treated surface will be slippery so please use extreme caution when walking.

HEALTH AND SAFETY

WARNING: FOR PROFESSIONAL USE ONLY.

Before using product, read product SAFETY DATA SHEET (SDS) and instructions on packaging. **ALKALINE CONCENTRATE:** Contact can damage eyes, skin, and other body tissues. **HANDLE WITH CARE.** Eye and skin irritant. Digestive tract irritant; **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.** Spray mist is respiratory tract irritant. Use only with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, clothing. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemicalresistant gloves. Ensure fresh air-flow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved), used according to manufacturer's directions, during application and drying. **SLIP/FALL DANGER:** During application of RIO FLOORING Products and until dry, treated surface will be slippery.

First Aid

Ingestion: Not expected to be toxic. Never give an unconscious person anything to ingest. If swallowed, immediately give two glasses of water, seek medical attention if ill effects develop. Inhalation: May cause irritation. Remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation persists. Eye Contact: Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists. Skin Contact: May cause irritation. Wash affected area with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

PHYSICAL PROPERTIES

APPEARANCE:	Opaque White
ODOR:	None
SPECIFIC GRAVITY:	1.15 - 1.19 @ 77 °F / 25 °C
DENSITY:	9.6 – 11.0 lb/gal
SOLUBILITY IN WATER:	Complete pH (100 %) 8.0 - 9.5
VISCOSITY:	15 cps @ 77 °F / 25 °C
FREEZING POINT:	32 °F / 0 °C
VOC CONTENT:	0.00 % EPA Method 24

Warranty: RIO FLOORING products are warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or simplified, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing RIO FLOORING Products proven defective. The end user shall be Responsible for determining product's suitability and assumes all risks and liability.



SCAN ME FOR
SDS

24 HOUR EMERGENCY: CHEMTREC® 1-800-424-9300

Published technical data & instructions are subject to change without notice. Please contact Rio Flooring Systems for the most current technical data, safety data & application instructions.



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