



RIO-CLEAN

CONCRETE SLAB CLEANER CONCENTRATE

PRODUCT DESCRIPTION

RIO-CLEAN is a concentrated liquid designed to clean and maintain concrete floors with or without mechanical floor scrubbers. RIO-CLEAN removes oils, abrasives and surface contaminants which can stain and damage concrete floors, - regular maintenance with RIO-CLEAN will increase slab durability and reflectivity while reducing porosity. RIO-CLEAN is compatible with all densified, sealed or untreated concrete floor surfaces.

RIO-CLEAN is a highly concentrated 100% solids 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-CLEAN is a zero voc formula that is also non-toxic and non-flammable.

FEATURES AND BENEFITS

- Formulated for Auto Scrubber or Mop Application
- Fortified with NanoPOUR™ Densifier Technology
- Freeze/Thaw/Use Resistant Chemistry
- 100% Water Based Solids
- Highly Concentrated Formula (480:1)
- High Efficiency defoamer
- No VOC's, Non-Hazardous and non-Flammable
- Excellent degreaser and overall surface cleaner
- Compatible With All RIO Systems

PACKAGING

- 2 Liter Bottle
 - 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 480 times the volume when mixed with clean potable water.

Example: 1 gallon bottle of concentrate makes 480 RTU Gallons

COVERAGE

RIO-CLEAN will produce various coverage rates depending on application method. For example, due to fixed flow rates, auto scrubbers tend to use more product than mop and bucket application. Internal testing shows auto scrubbers clean about 400 square feet per gallon and mop and bucket application cleans about 500 square feet per gallon.

STORAGE AND SHELF LIFE

We recommend storing RIO-CLEAN in original containers with the lid fastened tightly. Restore has a shelf life of 48 Months from the date of manufacture. Please keep RIO-CLEAN 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 both auto scrubber and mop/Bucket application:

Auto Scrubber Application: 4oz RIO-CLEAN to 15 Gallons Water

Mop Application: 1oz Cleaner to 4 Gallons Water

Note: to facilitate mixing and agitation, place RIO-CLEAN into the mixing vessel first and then fill with clean potable water.

EQUIPMENT

Apply RIO-CLEAN using a mechanical auto scrubber or Mop/ Bucket.

PRE-APPLICATION

While the Auto Scrubber application method does mitigate overspray, it's still 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)

Mix the appropriate amount of RIO-CLEAN for the job size based on coverage rates outlined in section IV.

Check the auto scrubber is in optimal working condition

APPLICATION INSTRUCTIONS

A. Auto Scrubber Application

Tank mix (4) ounces RIO-CLEAN concentrate into 15 gallons of clean water. Scrub the cleaning solution with a non-abrasive floor pad at full flow and squeegee set in the full down position. Continue to apply and Extract the cleaning solution with the scrubber pads engaged. clean until the supply tank is empty or job is completed. Heavily soiled floors may require longer dwell time and/or a higher concentration. Empty both the supply and retrieval tanks and rinse with clean water

B. Mop & Bucket Application

Bucket mix (1) ounce RIO-CLEAN concentrate to (4) gallons clean water. Pick up using a bucket of clean rinse water changed frequently.

Note: 8 Ounces for 30 Gallon Tanks

LIMITATIONS

RIO-CLEAN will not remove mastic, adhesives or other surface sealers

- 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 chemical-resistant 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

PHYSICAL STATE: Liquid

APPEARANCE: Blue

ODOR: Slight solvent odor

SPECIFIC GRAVITY: 1.01-1.03 @ 77 °F / 25 °C

DENSITY: 9.6 – 11.0 lb/gal

SOLUBILITY IN WATER: Complete

pH (100 %): 9.4-10.4

VISCOSITY: 15 cps @ 77 °F / 25 °C

FREEZING POINT: 32 °F / 0 °C estimated

VOC CONTENT: Not determined

Note: These physical properties are typical values for this product and are subject to change.

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 implied, 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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