

CleanACT® Product Data

ReStorz-It

Concentrated Heavy Duty Restoration Cleaner



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

"Protecting the World's Infrastructure"

DESCRIPTION

CleanACT® ReStorz-It is specially formulated to remove stains caused by acid rain, air-borne contaminants, heavy carbon and other stains associated with highly polluted areas. It is a concentrated acidic cleaner for use on most standard unpolished masonry. It is ideally suited for brick, granite, sandstone, slate, terra cotta and many other masonry surfaces. **Dilute with water.**

BENEFITS

- Effectively cleans heavily soiled structures.
- When properly applied, CleanACT® ReStorz-It will not damage structures like some other cleaning methods such as sand blasting.
- It is easily diluted in water.
- As a concentrate, storage, shipping and container disposal costs are reduced.
- Easy to apply.
- When properly applied, this product is compatible with our SIL-ACT® silane solutions.

TECHNICAL DATA

Physical Form	Liquid
Color	Clear
Odor	Pungent
pH	< 0.1 at 1:4 dilution
Boiling Point	212°F
Freezing/Melting Point	NE
Solubility In Water	Complete
Specific Gravity	1.10 at 20/20°C
Evaporation Rate	> 1.0 (Water = 1.0)

ReStorz-It is applicable for the substrates indicated			
Substrate	Surface Finish	CleanACT® ReStorz-It	
		Y/N	Coverage
Concrete	Brick	No	N/A
	Tile	No	
	Precast Panels	No	
	Pavers	No	
	Cast-In-Place	No	
Architectural Concrete Block	Burnished	No	N/A
	Smooth	No	
	Split-Faced	No	
	Ribbed	No	
Fired Clay	Brick	Yes	125-400 sq. ft/gal
	Tile	Yes	
	Terra Cotta	Yes	
	Pavers	Yes	
Marble, Tavertine, Limestone	Polished	No	N/A
	Unpolished	No	
Granite	Polished	No	100-175 sq. ft/gal
	Unpolished	Yes	
Sandstone	Unpolished	Yes	100-175 sq. ft/gal
Slate	Unpolished	Yes	100-175 sq. ft/gal

PACKAGING

1 case (4 -1 gallon containers)

5 gallon pails

55 gallon drums

USE RESTRICTIONS

- If not properly diluted and applied, multiple applications may damage some structures.
- Not for use on polished surfaces. See other CleanACT® products for ones more suitable.
- Not for interior use.
- May negatively react with some colored concrete blocks.

WARNING: Contains Phosphoric and Hydrofluoric Acid. Extremely irritating and corrosive to skin and mucous membranes. Produces severe skin burns. Inhalations of vapor may cause ulcers of upper respiratory tract.

FIRST AID:

If ingested do not induce vomiting, give plenty of water and get medical attention. If skin is exposed, flush with soap and water, immerse or soak affected area in a solution of 0.2% iced benzethonium chloride or 0.13% iced benzalkonium chloride. Get medical attention, remove and launder contaminated clothing. If eyes are exposed, flush with water for 15 minutes, get medical attention. Please refer to the MSDS for full safety and health procedures.

FACTORY ASSISTANCE

Factory personnel are available for product, environment and job-safety assistance with no obligation.

Call 800-535-0433 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States.

Call Customer Care at 800-535-0433 for the name of the ACT representative in your area.

APPLYING

Initial preparation: Take appropriate steps to protect humans, animals, vegetation, property, metal, vehicles, painted surfaces and other nonmasonry materials from any splash, residue, wind drift, over-spray or fumes that might occur when applying this product. This product in either liquid or vapor form may damage a variety of nonmasonry surfaces.

- When possible it is better to clean with this product before installation of nonmasonry items such as finished flooring, windows, doors, metal fixtures, hardware, roofing materials, etc.
- Excess mortar or grout left on the surface longer than 24 days may result in difficult clean up.
- Always protect structures under construction from moisture.
- Always test (in an area not generally seen) for each type of surface. Let test area dry 3 to 7 days before looking at results.
- Allow 28 days after installation of new brick or masonry surfaces, before cleaning.
- All caulking and sealant materials should be in place and thoroughly cured before cleaning.
- Use cleaner when ambient and surface temperatures are at or above 40°F (4°C). Do not apply to frozen or freezing surfaces.
- Calculate coverage rate as 100 to 175 square feet per gallon for porous, textured surfaces and 125 to 400 square feet per gallon for dense, smooth surfaces.
- For porous substrate, dilute 1 part of the product with 3 to 4 parts clean COLD water. For non-porous, dilute 1 part of product with four to six parts COLD water. Do not use hot water as reaction may occur. Mix in polypropylene buckets only (acidic materials and fumes attack metal) pour cold water in first.

NOTE: Always test a non-visible area to ensure that product is compatible with substrate.

WORKING FROM BOTTOM TO TOP

1. Thoroughly wet a large area with fresh water.
2. Apply with low-pressure sprayer (not over 50 psi maximum) or masonry-washing brush. **Caution:** use of too much pressure (> 50 psi) or too small of spray tip (< 15°) may result in damage to the surface. The ideal flow rate is 6 to 8 gallons per minute.
3. Leave product on surface for 2 to 3 minutes (do not let cleaner dry into substrate).
4. Rinse with a sufficient amount of tap water to flush cleaner and dissolve unwanted sediments from surface.
5. If necessary reapply cleaner and repeat previous steps. Scrape off heavy excess mortar using wooden scraper, taking care not to harm surface.

