

**FOR PROFESSIONAL USE ONLY**

## SPEC DATA SHEET

Heritage Restorer is a restoration detergent designed for historical or sensitive substrates. The product is based on our thoroughly developed non-corrosive technology. Cleaning power is achieved by a combination of over 25% surfactants, mild acids and water based solvents for hydrocarbon based residues.

### ADVANTAGES

- Excellent for preventing metal and mineral stains from occurring when cleaning chemically sensitive stones, including sandstone, granite, marble, slate, and quartzite.
- Cleans many substrates (see test list following).
- Low odor for interior restoration or hospital work.
- Spray-on / rinse-off. No-scrub cleaning capability results in fastest safe restoration process.
- Added benefit for Heritage Restorer is its proven lime run and block deposit removal capacity. It has outperformed NMD 80 and White Scum Presoak in certain situations, so it is definitely worth a try.

### LIMITATIONS

- Allowing a product to dry on the surface from evaporation changes the chemical content and may affect your results. We have seen no failures from this so far, but you don't want to be the bozo that proves it.

*\*For information about soft metals, please see our soft metal Issue Statements at our website for more complete guidance.*

### TECHNICAL DATA

Appearance:	Amber color
Odor:	Mild Odor
Physical State:	Liquid
pH:	≥ 1.0
Boiling Point:	≥ 212° F
Specific Gravity (water=1):	1.18 @ 77° F
Evaporation Rate:	N/D
Solubility in Water:	Complete
Flash Point:	N/D
Viscosity	Water thin
Decomposition Temp:	N/D
Oxidizing Properties:	N/D

### PREPARATION

Protect adjacent surfaces and surrounding building hardware not intended to be cleaned from exposure to the cleaning solution. Avoid direct contact with foliage. Cover landscape using plastic or wet the foliage with water before and after cleaning. Avoid wind drift on surrounding surfaces which include auto and pedestrian traffic.

### SURFACE & AIR TEMPERATURES

Excessively high or low temperatures will produce poor results and possible harm. Best cleaning results are obtained when air and surface temperatures are above 40°Fahrenheit or less than 90°Fahrenheit. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for the surface to thaw. If air temperatures exceed 90° Fahrenheit, flash cool the surface with water before applying product. Do not allow products to dry on the surface. Always rinse thoroughly while still wet.

### PRE-TESTING

Always test prior to beginning full-scale cleaning operations. Pre-testing will determine suitability and effectiveness on each type of surface and stain designated to be cleaned. Pre-testing will also determine dwell times and number of applications required to achieve desired results. Pre-testing will show any potential or adverse reactions to adjacent surfaces. Allow test areas to thoroughly dry before evaluating final appearance and results

### PRE-TESTING: WINDOWS, WINDOW FRAMES, DOOR FRAMES

The best way to test windows, window frames, and door frames is to apply the suggested product to the end of a pencil eraser and place a small dot on each of the surfaces in question. Allow the product to dry on the surface (10 to 15 min). Rinse completely and check the results. If this produces any type of discoloration, do not allow the product to come in contact with these surfaces. They must be covered prior to cleaning.

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### SAFETY INFORMATION

Always wear goggles and chemical resistant gloves when handling this product. Read the Safety Data Sheet for additional safety and health hazard information prior to use. Do not get in eyes, on skin, or on clothing. Do not wear contact lenses when using this product. If material comes in contact with clothing, wash before re-use. Keep container closed when not in use. Use NIOSH/MSHA approved respirator when adequate ventilation is not available. Keep container closed when not in use. Do not remove the label from the container. Dispose of empty containers in accordance with federal, state, and local requirements.

**CAUTION: KEEP AWAY FROM CHILDREN**

**VELOCITY EHS 24 HOUR EMERGENCY  
RESPONSE SERVICE NUMBER - 1-800-255-3294**

### DILUTIONS

Heritage Restorer is always used undiluted.

### COVERAGE RATES

Coverage rates with Heritage Restorer will vary from 75-250 sq. ft. per gallon depending on the surface porosity, texture, ambient temperature, craftsmanship, and severity of staining.

### APPLICATION INSTRUCTIONS

1. Pre-wet the surface (do not saturate) with water before applying Heritage Restorer.
2. For best results, apply Heritage Restorer with a low pressure sprayer (brushing is not necessary).
3. For the lighter soils, a single application with a 10 minute dwell time will remove many of the stains.
4. For deeper soils or on a very porous surface, a double application with 10 minute dwell for the first application; then reapply and allow extended dwell time for best results. Do not rinse between applications.

### SUITABLE SUBSTRATES

The following substrates have been tested on and are deemed suitable under standard conditions. Pre-testing is always recommended prior to full-scale cleaning.

- |                    |                                |
|--------------------|--------------------------------|
| ✓ Sandstone        | ✓ Terrazzo                     |
| ✓ Brick            | ✓ Anodized Aluminum            |
| ✓ Limestone        | ✓ EIFS                         |
| ✓ Concrete Block   | ✓ Aluminum Composite Materials |
| ✓ Precast          | ✓ Stucco                       |
| ✓ Tilt-Up Concrete | ✓ Cast Stone                   |
| ✓ Granite          | ✓ Glass                        |
| ✓ Marble           | ✓ Many sensitive stones        |
| ✓ Synthetic Stone  |                                |

While this list is extensive, there are other substrates that Heritage Restorer may be suitable for that are not listed. Every cleaning situation is unique in its own way, so please follow all precaution, pre-testing and application instructions included in this Product Data Sheet.

### RINSING

Proper rinsing techniques determine the final look and quality of the job. A thorough rinse is always recommended; however, our chemistry never requires flooding the surface. Heritage Restorer can be rinsed using cold water. Pressures that mark the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrates.

**Do not use a zero-degree nozzle.**

**Caution: Do not allow the product to dry on a surface.**

### SPILL OR LEAK PROCEDURES

Check with state, local, or federal regulation for waste disposal methods in the area. Wear proper protective equipment while doing clean-up. For large spills, dike and contain for intended use. For residual, use a chemical absorbent material. For small spills, use a chemical absorbent material and place in an approved container for disposal.



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### **CONTAINER HANDLING/STORAGE**

Store product in a cool, dry place away from alkali-based materials. Keep container tightly closed when not in use. Wash thoroughly after handling. For best results, liquid should be 40° F or higher prior to use.

### **INSTRUCTIONS IN CASE OF CONTACT OR EXPOSURE**

**Eyes:** Flood with water for 15 minutes. If irritation develops, seek medical attention.

**Skin:** Wash off with soap and water. Follow with a good emollient. If irritation develops, seek medical attention.

**Ingestion:** Drink lots of water to dilute. Do not induce vomiting. Seek immediate medical attention.

**Inhalation:** Move to fresh air. If irritation develops, seek medical attention.

### **NOTICE**

This product has been classified in accordance with the hazard criteria of the CFR.

### **DISCLAIMER**

The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot be sure or guarantee these are the only hazards which exist.

### **CUSTOMER SERVICE**

Factory personnel are available for assistance Monday through Friday from 8am to 5pm EST at (724) 656-1055. Questions can also be sent to [info@eacochem.com](mailto:info@eacochem.com). A reply can be expected no later than the following business day or FaceTime and Call from the Wall are available when needed at jobsite.