

**SEI™****ADVANCED CHEMICAL  
TECHNOLOGY™**

## Product System Guide

# Building Restoration Technology™

Classic, timeless and new Architectural structures are being structurally and permanently damaged by environmental and man made pollutants. Historical buildings and structures, educational facilities and unique buildings of commerce are prime examples of this cosmetic and costly destruction. Conventional restoration methods are becoming ineffective because of stringent VOC, AQMD, and environmental run off concerns.

SEI has engineered advanced building restoration products that are environmentally safe and meet the most stringent National Air Quality Requirements.

SEI products utilize a proprietary optical brightening chemistry along with a unique migrational restoration technology that makes whites brighter and restores substrates back to their original color. In addition, it restores the natural luster of ferrous and non-ferrous metals and removes rust and hydrocarbon deposits easily. SEI Building Restoration Products will restore stones to their natural state.

SEI's unique sequestering agents prevent the redeposition of suspended contaminants and aid in the further protection of the substrate.

The SEI Building Restoration Systems requires no special application equipment or certification and the products can be easily applied by painting contractors, maintenance professionals and by the do-it-yourselfer.

All of SEI's products can be used on but not limited to the following substrates: Stone, brick, masonry, unglazed ceramic, porcelain, fiberglass, Formica, plastics, marble, (unpolished/polished), tile, Vat tile, linoleum, stucco, terrazzo and terra cotta.

SEI's Building Restoration Technology makes no sacrifice in any environmental or performance category. These versatile and leading edge products allow for a safe and easy restoration of any surface.

### **AR-100 Architectural Restorer:**

The AR-100 is a heavy-duty cleaning product that is 100% biodegradable and environmentally friendly can be used to clean and restore a wide variety of surfaces safely and effectively. This product contains properties to lower surface tension, surfactants for emulsification and sequestering agents that help prevent redeposition of any suspended contaminants. This product also contains an optical brightening agent that makes whites whiter and colors brighter. Use on stone, brick, masonry, ceramic, porcelain, fiberglass, Formica, plastics, marble, tile, linoleum or VAT tile.

### **AR-101 Heavy Duty Restorer:**

The AR-101 is a biodegradable heavy-duty cleaner restorer. It will remove a wide variety of contaminants from natural and man-made stone surfaces. This product does not contain bleach, abrasives, caustics, muriatic acid or petroleum distillates. This product can be diluted for light cleaning and can be used for floor applications in place of hydrofluoric acid, a highly toxic and corrosive chemical. Use on stone, brick, masonry, unglazed ceramic, travertine, marble (unpolished or unglazed), granite, limestone, stucco, terrazzo, terra cotta and other similar type surfaces. This product is not meant for and will damage and/or discolor glass, polished and painted surfaces. It will remove stains, rust, chalking, efflorescence, atmospheric stains and dirt without etching, pitting or damaging the surface.

### **AR-102 Metal Restorer:**

The AR-102 is a specially formulated product for restoring metal surfaces. It quickly removes oxidation, hard water stains, rust, mineral deposits, grease and other contaminants from copper, brass, bronze, stainless, aluminum and glass surfaces. The addition of the CPT® corrosion inhibitor to the Metal Restorer prevents rust and oxidation from re-forming. The inhibitor possesses unique chemical and physical properties, building both mechanical and electromechanical barriers against corrosive agents such as cleaning solutions and pollutants.

### **AR-103 Masonry Rust Remover:**

The AR-103 is a biodegradable formulation that utilizes the CPT® corrosion inhibitors. The CPT corrosion inhibiting chemistry will migrate through existing corrosion until it reaches the substrate. This creates molecular space between corrosion and substrate making corrosion removal very easy. Use on: Terrazzo, travertine, unglazed and unpolished stone, ceramics, brick, stucco, granite, limestone, terra cotta, concrete and other similar surfaces.

### **AR-104 Limestone Cleaner:**

The AR-104 is a heavy-duty cleaner/restorer and can be used on a wide variety of stone surfaces safely and effectively. This product is mostly effective on limestone, marble and travertine, removing accumulated surface contaminants, mineral deposits and atmospheric stains. It can be used for both interior and exterior applications.

PRODUCT	PROTECTIVE QUALITIES	APPLICABLE SUBSTRATES	APPLICATION	CONTAMINENT REMOVAL	FLAMMABILITY	ph LEVEL	PROTECTION & CLEAN UP	VOC g/L	COVERAGE
AR-100	Prevents redeposition	Stone, brick, masonry, ceramic, porcelain, fiberglass, Formica, plastics, marble, tile, linoleum, VAT tile	Spray or brush on dry surface from bottom up. Let stand for 2-7 min. Agitate if need be then rinse	Environmental contaminants	NO	10.0-10.5	No need to collect run off. No need to mask off surfaces. Will not damage ecological life.		150-200 sq.ft./gal
AR-101	None	Stone, brick, masonry, unglazed ceramic, travertine, marble (unpolished or unglazed), granite, limestone, stucco, terrazzo, terra cotta *Do not use on glass, polished or painted surfaces	Spray or brush from bottom up. Let stand for 2-7 minutes. Agitate if need be then rinse.	Stains, rust, chalking, efflorescence, environmental contaminants, dirt.	NO	5.0-5.5	Mask off glass, polished and painted surfaces.	0	150-200 sq.ft./gal
AR-102	CPT* corrosion inhibitor is incorporated for further protection	Copper, brass, bronze, steel, stainless, aluminum, glass	Spray or brush. Let stand for 2-7 minutes. Agitate if need be and then rinse or wipe with rag or brush.	Oxidation, hard water stains, rust, corrosion, mineral deposits, hydrocarbons.	NO	9.25-9.75	No need to collect run off. No need to mask off surfaces. Will not damage ecological life.		150-200 sq.ft./gal
AR-103	CPT* corrosion inhibitor is incorporated for further protection	Terrazzo, travertine, unglazed & unpolished stone, ceramics, brick, stucco, granite, limestone, terra cotta, concrete.	Sprayer, brush or roll apply. Let stand for 2-7 minutes. Agitate if need be and let stand for an additional 1-2 minutes then rinse or wipe away.	Rust, oxidation, corrosion, environmental contaminants, chalking, efflorescence, mold, mildew.	NO	9.25-9.75	No need to mask off as it will not damage rubber, wood or plastic	0	150-200 sq.ft./gal
AR-104	None	Limestone, marble, travertine	Spray or brush apply on dry surface. From bottom up. Saturate surface. Let stand for 5-15 minutes and then rinse.	Environmental contaminants, mineral deposits	NO	11-11.5	No need to mask off glass or metal and no need for collection of run off	0	150-200 sq.ft./gal

\*Always test an inconspicuous area before beginning full scale application.

\*\*All surfaces should dry after treatment and then protect by further coating application for long-term protection

\*\*\*Check with all Federal, State and local regulations regarding run off collection and waste disposal.