



HISTORICAL RESTORATION

RESTORING HISTORICAL STRUCTURES



RESTORE
EVERYTHING
SAFELY®

Trusted by numerous cities throughout the country to restore their featured historical buildings to an elegant state once again!

THE WAVE OF THE FUTURE

ONE CHOICE...BECAUSE IT WORKS!

FOR PROFESSIONAL USE ONLY

THE BEST INFORMED CHOOSE



EaCo Chem has been producing exceptional cleaning chemicals for decades with nothing but the best results. Our chemistry has been approved worldwide on many projects. Professional cleaners that choose to stay ahead of their competition have one thing in common - the desire to be the best. That includes using the best chemicals.



Pymatuning Dam PA - sandstone Heritage Restorer

INDUSTRIES WE SERVE:

- NEW CONSTRUCTION
- RESTORATION
- HOUSE & DECK
- FLEET WASHING
- HARDSCAPE
- PAINT STRIPPING
- WINDOW RESTORATION

CHOOSING THE PROPER CHEMISTRY



Heritage Restorer is a restoration detergent 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 to melt metal and mineral oxide residue and water based solvents for hydrocarbon based residues. Great for brick, limestone, sandstone, concrete, precast, exposed aggregate, granite, unpolished marble, synthetic stone and terrazzo. Always test product in a small area before beginning project.

After years of western Pennsylvania's notorious freeze-thaw cycles, any building is likely to present hidden challenges during masonry repairs. Graciano crews performing "make-safe" work on parapets surmounting the 144-foot City-County Building in Pittsburgh found themselves disassembling a Classical Revival wedding cake of stone, brick and terra cotta.

Restoring granite in this 100+ year old historic architectural facility was a job thought to be very difficult. After multiple chemistry tests from many different manufacturers, **Heritage Restorer** was chosen to restore this government landmark. With years of city pollution accumulated on the surface, with multiple staining issues, **Heritage Restorer** was able to restore the granite.



The Pittsburgh City-County Building is the seat of government for the City of Pittsburgh and houses both Pittsburgh and Allegheny County offices. Built from 1915-17 it is the third seat of government of Pittsburgh.

RESTORE EVERYTHING SAFELY®

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OneRestore® is a breakthrough product that provides remarkable versatility, cleaning power and safety all in one. Capable of removing the deepest stains from limestone and brick, it is also used to safely restore glass and anodized aluminum. This product can remove virtually any metal or mineral oxide stain, including copper stains, and can be an effective coating remover. Safe on most surfaces, and around people, **OneRestore®** is a great choice for cleaning and restoring colleges, schools, hospitals, government facilities and offices. With a “spray on/spray off” application process, **OneRestore®** will save hours of cleaning time versus the traditional bucket and brush process.



Kentucky State Capitol limestone - OneRestore® government

MULTIPLE SUBSTRATES



The historic public library in Canton (MA) had years upon years of dirt and grime built up on the brick, limestone and granite. With the variety of substrates and degree of soiling involved, the concern was one cleaner may work on one area, but would damage another.

OneRestore® was able to safely clean all three substrates, along with the windows, so no masking was necessary. As seen in the sequence above, pre-wetting (left) and allowing the product to work (center) was all that was needed to produce an excellent clean appearance (right) without damaging any substrate.



The plaque on this building in downtown Houston reads: “Site of the First White House of the Republic of Texas... Here dwelt President Sam Houston from November 1837 to December 1838... and President Mirabeau B. Lamar from December 1838 to October 1839... Erected by the State of Texas 1936.”

The still historically significant structure began to show the effects of years of accumulated black environmental staining. In 2002, the restoration of the terra cotta facade was done. **OneRestore®** was used and achieved extraordinary results. This may no longer be the “First White House”, but the terra cotta is once again clean white!



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THE WAY OF THE FUTURE

ONE CHOICE...BECAUSE IT WORKS!

LIMESTONE NEVER LOOKED SO GOOD!



The Matthew's Mansion near Ellettsville, IN was built in 1868 by the 'Father of Indiana Limestone industry', John Matthews.



The latest news on cleaning Indiana limestone is, in a single word - REVEALING!

What continues to be uncovered in limestone country is the natural beauty of this homegrown product, thanks to a detergent with the capability to wash away years of even the deepest environmental staining. That product is **OneRestore**[®], which combines remarkable versatility, powerful cleaning ability and safety all in one product.

With most restoration cleaners, brushing is the recommended application method. However, brushing can have very adverse effects on historic or older stone, causing physical damage that is irreversible.

With **OneRestore**[®], the spray-on, spray-off application prevents improper brushing and the effects that it can cause. **OneRestore**[®] is safe to use on windows and leaves no streaking or damage to the limestone surface.

One of nature's most durable surfaces, limestone is very porous and susceptible to pollution and other soils, causing the surface to darken and in some cases turn almost completely black.

One of the most dramatic transformations of deep staining occurred during the cleaning process of the Matthews Mansion pictured above and involved the removal of unsightly black stains from the pair of graceful, outside limestone steps as seen above. The strength of **OneRestore**[®] was able to penetrate the soil deep within the stone, yet showed enough gentleness to not discolor or damage the surface.

OneRestore[®] is no stranger to historic Indiana limestone. In 2001, it was used to restore the Monroe County Historical Society building in downtown Bloomington, IN.



“...Our museum is located in Bloomington - the heart of Indiana's limestone country. One of your products, OneRestore[®] was recently used for our exterior restoration and cleaning project of the historical Carnegie Library, which is part of our museum. The building was built in 1918 from local limestone and appeared to have never have been cleaned. Needless to say, the cleaning task was formidable.



...There was concern over damaging the limestone's exterior surface. Using OneRestore[®] allowed the contractor to use minimal pressure with a safe and effective chemical and it performed tremendously. It would seem that OneRestore[®] was a perfect fit for our building. Thank you very much for your product. Now our fine old building can face the new millennium with a refreshed, like-new face. ”

*Sincerely,
Kari Price, Director
Monroe County Historical Society Museum*

NEXT LEVEL CLEANING... RESULTS THAT SELL

THE WAY OF THE FUTURE

THOUSANDS OF WINDOWS WITHOUT COVERING GLASS



ABF is a very effective ammonium bi-fluoride restoration detergent. Originally designed for glazed brick and terra cotta cleaning, it is also an excellent concrete cleaner. **ABF** offers the strength of Hydrofluoric Acid (HF) but with a higher degree of safety, and the ability to work without covering glass when used as directed. Do not allow product to dry on surface. **ABF's** acid blend is often more effective than HF at removing the black mineral stains that occur on glazed surfaces with almost no chance of burning. This is our most economical restoration detergent.

The historic Pittsfield Building in the heart of Chicago was considered to be the tallest building in the city upon completion in 1927. This 38 story high rise had accumulated years of atmospheric staining and pollution.

In 2003, the building was slated to have some of the terra cotta facade replaced and the exterior of the building cleaned. Some of the challenges involved with the restoration of the Pittsfield Building were the thousands of windows and the famed high winds of Chicago.

With ABF's safety on glass, the windows did not need to be covered. There was also no concern for surrounding buildings as the material was being blown in the wind.

Another benefit of ABF is that it can be applied with a low pressure sprayer and rinsed with a garden hose. This made the historic preservationists happy because it reduced the risk of damage to the building's delicate terra cotta surface. With the exception of a few heavily crusted areas, the contractor was able to avoid using high pressure for the cleaning.

With only a 2-man crew, the contractor was able to clean over 3,000 sq ft each night with exceptional results!



In the left photo shows the stark difference between cleaned and uncleaned. Inset is a close-up of the very heavy pollution stains.

ABF offered several benefits on the historic Pittsfield Building.



1. Since ABF will not etch glass, none of the windows needed to be covered, saving thousands of dollars on the project.
2. The new terra cotta tiles on the uncleaned right side of the building are clear. Can you spot the new tiles on the cleaned left side?
3. ABF was effective at cleaning the ornate details of the building.



ONE CHOICE...BECAUSE IT WORKS!

DOWNTOWN MANHATTAN

**STRIPPER
CREAM**

Stripper Cream is a thickened multilayer paint remover with excellent consistency that can be sprayed or rolled on with equal ease. This alkaline product when applied to paint is very slow to dry out and can remain on the surface for days. **Stripper Cream** makes an excellent graffiti remover for porous masonry surfaces. It also removes black crust from limestone and brick. **Stripper Cream** will take off the black crust from sandstone/limestone, caps, sills and foundation.



From the marble around the entrance to the ornate details around the building, the Polish Consulate was made to look new again!



The Consulate General of the Republic of Poland was originally built as the de Lamar Mansion in 1905. In 1973, the Republic of Poland purchased the mansion and made it their New York City consulate. The property was designated as a landmark by the New York City Landmarks Preservation Commission in 1975.

In 2008, the weathered Polish Consulate was in dire need of cleaning. The years of city and atmospheric pollution had turned the facade of this pristine building into a dingy site. Along with pollution, other city elements and dwellers (pigeons) left their marks. When the contract was awarded, the research began for a product or products that will be able to break through the soil, yet not create major problems for a city atmosphere.

A combination of **OneRestore®**, **OneRestore® GEL** and **Stripper Cream** gave the best combination of power and safety to satisfy the needs of the contractor and the city. In the end, this truly magnificently detailed historic building was restored to its original lustre.



Built in 1882, this brick public school in Harmony, PA was covered in a thick white paint. The local historic society decided it was time to restore the brick structure to its original appearance.

The first step was to completely remove the paint that covered the building. Since the project was in such close proximity to EaCo Chem's manufacturing facility, it was an easy choice to

call us for testing. **Stripper Cream** was tested and proved to surface a "face lift" to its natural beauty.

Other options explored by the historical society were blasting the surface. Since the brick was brittle with age, blasting was not a viable option. The risk for further deterioration was too great.

In the end, this 1882 brick facade had little to no remnants of the paint that was once there and no damage to the surface was caused.



RESTORE EVERYTHING SAFELY®

THE WAY OF THE FUTURE



The Pentacostal Assembly of God Church in Trenton, NJ was built in 1915. The brownstone exterior had not been cleaned since the church was built. Due to the degree of staining and the sensitivity of the stone, the proper chemicals and cleaning system were necessary to preserve the integrity of the stone. The city of Trenton also had to approve the cleaner.



Other products were tested, but were not able to safely or effectively break through the soil on the surface. **OneRestore® GEL** was tested (see pic on right) and the results were so dramatic that the city awarded the contractor the project.

The results from cleaning this historic church were so amazing, the city commissioned the contractors to clean a similar church made of brownstone just around the corner from this one. The once dingy stone was restored and is now a shining example of historic restoration with a simple chemical and process that prevented further decay just from cleaning.



MOUNT VERNON, VA



In 2010, the slaves quarters at Mount Vernon, in Alexandria, VA began to be restored. Included in the restoration was the stripping of the cedar shingle roof. When the project was first scheduled, it had to be determined what product would meet the criteria of safety and effectiveness. The Mount Vernon Ladies' Association had several strippers tested. Only one, **InStrip**, was able to effectively remove all of the red paint without damaging the shingles. **InStrip** is also extremely safe for the end user, which is a bonus. Although the process at Mount Vernon was a bit tedious, there was no need to shut down any part of the facility while the work was being done. In fact, tours continued while the workers were on the roof working with the InStrip. The work is still on going today. The history of the site is hundreds of years in the making, restoring the site should not take as long!



Workers brought five gallon buckets of **InStrip** to the roof one pail at a time. The material was applied using a metal spatula, allowing a thick layer of stripper to sit on the surface. **InStrip** is safe enough that only gloves were used by the workers who were applying it (some strippers require full safety gear, including respirator and protective clothing). **InStrip** was allowed to dwell on the surface for several hours before being carefully scrapped off. This process enabled the stripping material and the paint itself to be collected and disposed of safely without any potential for harm to visitors of Mount Vernon. At the end of the day, everyone was happy with the results, most importantly the Mount Vernon Ladies' Association!



THE MOUNTAIN OF THE FUTURE

**ALL OF EACO CHEM'S PRODUCTS
ARE DESIGNED FOR
PROFESSIONAL USE ONLY**



**HIGHEST
LEVEL
CLEAN**

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