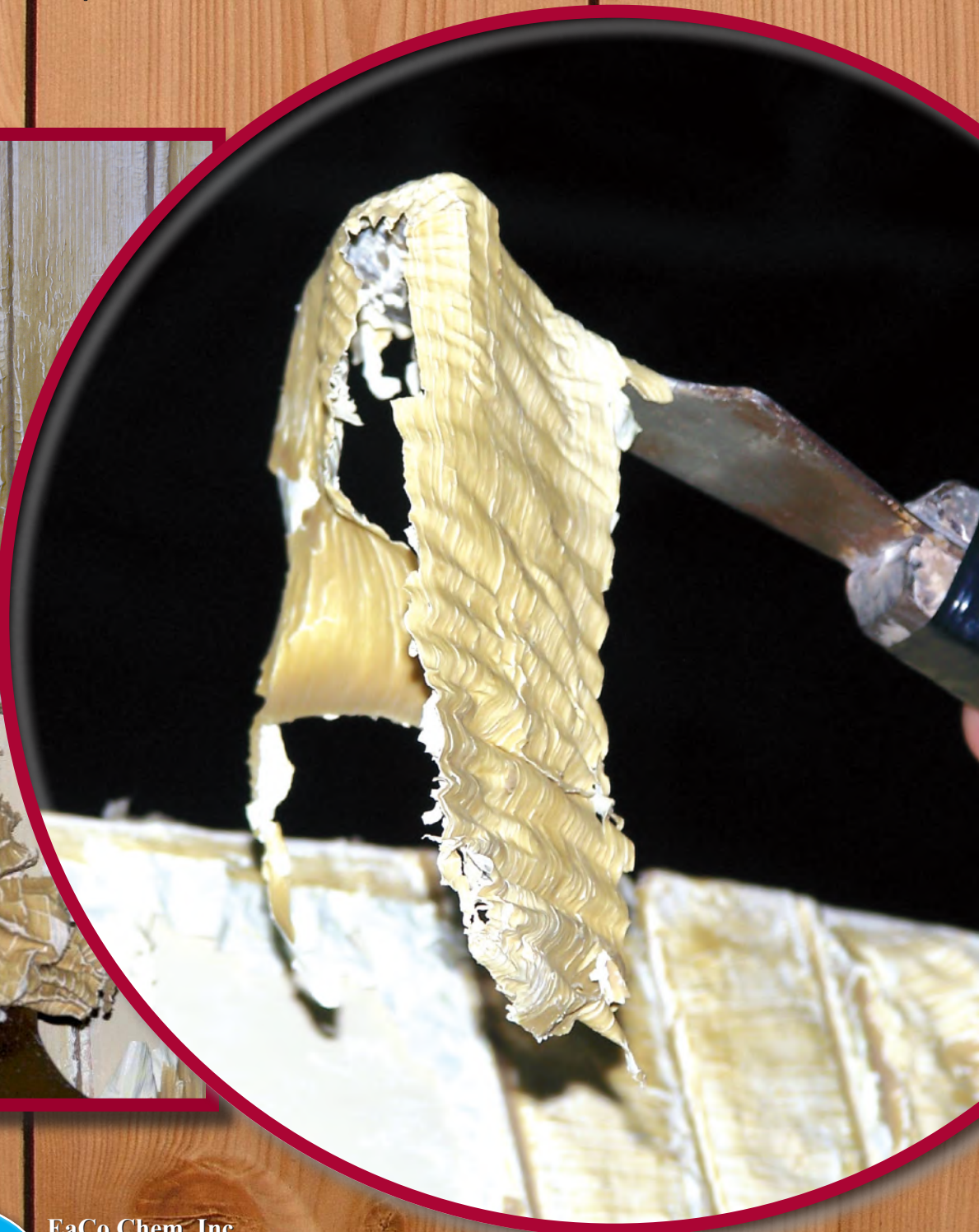


# Paint Stripping *Manual*



EaCo Chem, Inc.  
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## 2-Step Process for Removing Rubberized Alkyd Paints

Acrylistrip & Stripper Cream



Acrylistrip is sprayed onto the brick wall to penetrate the rubberized alkyd paint.



Stripper Cream is rolled overtop the Acrylistrip application and allowed to dwell.



After a 4-hour dwell time, the softened paint is easily removed with a scraper.



A spray bottle rinse is all that is needed to clean the residue from the mortar joints.



Better? You decide...

**\*Tips for the Pros\***

## InStrip

# INSTRIP

InStrip is a safe, easy-to-use, fast interior paint stripper that works on your toughest paint stripping projects. InStrip removes multiple layers of paint

and will go through many types of coatings. Product works great on both horizontal and vertical surfaces. InStrip is particularly safe for both the environment and applicator.

### Benefits

- Biodegradable
- Non-toxic
- Low Odor
- Non-Corrosive

### Surfaces Safely Used On

- Metal
- Wood
- Concrete
- Brick

### Removes

- Primers
- Solvent based paints
- Water-based paints
- Shellac
- Stains
- Urethanes
- Varnish



## General Field Test to Help Identify Water-Base and Oil-Paints

- 1** In an inconspicuous area, clean the paint surface with a general purpose cleaner. Let dry or wipe dry.
- 2** Rub the clean surface using a clean rag. Dampen with denatured alcohol. If you see paint residue on the rag, it is most likely water-based paint.
- 3** After rubbing the area with denatured alcohol, feel the surface. If smooth surface, and no paint residue, then the paint is oil-based. If slight tacky surface and paint residue, then the paint is water-based.

Latex paints are made from a water-soluble base. Enamel paints are made from an oil base. For exterior house paints, both enamel and latex paints are commonly used.

### Limitations:

Do not get product on surfaces not intended to be stripped.

*\*\*Always refer to the product data sheets prior to using any chemical. Always clean a test area and allow to dry before determining suitability of any cleaning product.*

# Stripper Cream

## STRIPPER CREAM

Stripper Cream is a thickened multilayer paint remover with a versatile consistency that gives it the ability to be either rolled or sprayed on with 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 worst cases of blackness from sandstone, caps, sills and foundation.



### Application Process

Apply a coating of Stripper Cream. Use a roller or brush if necessary to push product into mortar crevices. Allow product to dwell on the surface for an extended period of time. Test a small area to determine when optimum paint removal will occur. Once the time has been determined, then rinsing process should begin. To prevent chemical from spraying back on you, first rinse surface using a garden hose low pressure. Then you can follow with a pressure wash rinse to complete the paint stripping process.



### Limitations:

Plants can be damaged by direct application.

# Graf-Ex

## GRAF-EX

Graf-Ex is an easy to use multipurpose modern day coating stripper designed to be used where safety and performance are of equal importance. Graf-Ex is a non-dilutable product that is outstanding in the removal of inks and paints from painted surfaces. Graf-Ex does not harm most substrates and will not raise the grain of wood, cause flash rusting in metal, or damage fiberglass surfaces.

### Benefits

- Ready to use
- Pleasant odor
- Slow to dry out

### Surfaces Safely Used On

- Limestone
  - Stone
- Sandstone
  - Brick
  - Caps
  - Sills
- Foundations

### Removes

- Black crust
- Graffiti

### Benefits

- Low Odor
- Biodegradable
- Nonflammable

### Surfaces Safely Used On

- Wood
- Metal
- Fiberglass
- Painted Surfaces

### Removes

- Ink
- Graffiti
- Solvent based paints
- Water based paints
- Acrylics

### Application Process

Graf-Ex is not dilutable. Use it straight and apply with either a low pressure spray unit or wipe it on with a cloth. Spray the product on from top down and with a side to side overlapping motion. Often just a wipe with a damp cloth is all that is necessary to remove the paint or ink. As with all coating strippers, proper testing of the material or the coating to be stripped is the only way to determine the correct procedure. Basic guidelines would be that the material works better at an ambient temperature in the 70° Fahrenheit range. Proper ventilation should always be a consideration when long term exposure will occur. It is recommended that skin contact be kept to a minimum and at least a water rinse be used after contact.

Sometimes two applications, one following the other after a short soak period, will out-perform a single application and mechanical removal. The material is thin and penetrates extremely quickly to soften inks or paints. Dwell times will vary with thickness of the coating to be stripped, but Graf-Ex can remove many materials in a fifteen minute time span. Pressure wash rinsing on masonry or stone is recommended for best results. Craftsmanship determines the appropriate pressures for rinsing. A thorough rinse job is always recommended, however, our chemistry never requires flooding a wall. Pressures that mark or damage the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrate on which you are working.

### Limitations:

Graf-Ex will not work on epoxy or urethane type coatings. Do not use on plexiglass.

# Acrylistrip



Acrylistrip is a solvent-based sealer, stain, and paint stripper that has a wide range of applications. It is virtually instantaneous in penetrating most deck stains and paints. Acrylistrip will remove multiple layers of acrylics, acrylic latexes, polyurethane, and other resin coatings.

- | Removes  | Benefits   | Surfaces Safely Used On   |
|--|--|---|
| <ul style="list-style-type: none"><li>• Stains</li><li>• Paints</li><li>• Acrylics</li></ul> | <ul style="list-style-type: none"><li>• Wide range of applications</li><li>• Multiple surfaces</li></ul> | <ul style="list-style-type: none"><li>• Decks</li><li>• Wood</li><li>• Metal</li><li>• Sidings</li><li>• Masonry surfaces</li></ul> |

## Application Process

Acrylistrip is best applied through a low pressure application system, but can be brushed, wiped, or rolled on the surface. Depending on the paint or coating involved, more than one application may be needed. Apply the chemical from the top down using a side to side spray. A small hand pump garden sprayer works very well for small jobs. Allow the Acrylistrip to sit on the surface for at least five minutes before doing a scratch test.

When you are doing the scratch test and you see that the coating is releasing from the substrate, you are ready to rinse. If you do not see the surface or the coating is gummy, reapply the product and wait an additional 10 minutes before retesting. Pay careful attention to sheltered areas under overhangs or railings, as these areas see less harmful weathering and fading and therefore may need repeated applications. Rinsing may be accomplished with a pressure washer, garden hose, or water and a scrub brush. Note: if you are using a pressure washer to rinse wood, keep the nozzle six inches from the surface.



### Limitations:

- Plants may be damaged by direct contact.
- Can not mix with water.

# Stripsol LO



Stripsol LO is designed to remove paint and adhesives from multiple surfaces. Because of this product's unique low odor chemistry, it can be used both indoors and outdoors. Stripsol LO penetrates quickly for effective removal of paint and adhesives.



- | Removes   | Surfaces Safely Used On   |
|---|---|
| <ul style="list-style-type: none"><li>• Adhesives</li><li>• Paint</li></ul>   | <ul style="list-style-type: none"><li>• Concrete</li><li>• Decks</li><li>• Wood</li><li>• Masonry</li><li>• Brick</li><li>• Metal</li></ul> |
| <b>Benefits</b> <ul style="list-style-type: none"><li>• Low odor</li><li>• Can be used indoors</li><li>• Penetrates quickly</li></ul> |   |

## Application Process

Stripsol LO is best applied through a low pressure application system, but can be brushed, wiped, or rolled onto the surface. Depending on the paint or coating to be removed, more than one coat may be needed. Apply the stripper from top down using a side to side spray. A small hand pump garden sprayer works very well for small jobs. Allow Stripsol LO to sit on the surface for at least five minutes before doing a scratch test.

When you are doing the scratch test and you see the substrate everywhere you scratched, you are ready to rinse. If you do not see the surface or the coating is gummy, reapply the product and wait an additional 10 minutes before re-testing. Pay careful attention to sheltered areas under overhangs or railings, as these areas see less harmful weathering and fading and therefore may need repeated applications. Rinsing may be accomplished with a pressure washer, garden hose, or water and scrub brush. **Note:** if you are using a pressure washer to rinse wood, keep the nozzle six inches from the surface.

### Limitations:

- Do not get product on surfaces not intended to be stripped.
- Can not mix with water.

# LCS



LCS is a water based coating stripper for sealer, stain, and paint that has a wide range of applications. It is fast acting in penetrating most deck stains and paints. LCS will remove multiple layers of latexes,

acrylic latexes, alkyds, certain enamels, oil based stains, and other resin coatings.

### Benefits

- Not flammable
- Citric scent
- Wide range of applications
- Quick penetration

### Surfaces Safely Used On

- Wood
- Bricks
- Decks
- Masonry
- Concrete

### Removes

- Latexes
- Acrylic latexes
- Alkyds
- Enamels
- Stains
- Resin coatings
- Graffiti
- Sealers
- Mineral pigment

### Application Process

Protect all surrounding surfaces from over spray, as LCS may harm these surfaces. Protect plants from rinse water if you are not neutralizing. Apply LCS to a dry surface. Allow the product to dwell on the surface for 15 minutes. Starting at the top, mist water onto the surface from a garden hose before pressure rinsing. If you are not going to pressure wash, scrub with a stiff bristle brush while only the LCS is on the surface. Wood may darken after LCS is used on the surface. Using Britenol undiluted after rinsing the LCS can brighten the wood. Coverage rates will vary from 250-400 sq. ft./gal. Depending on the surface porosity, texture, and severity of staining.



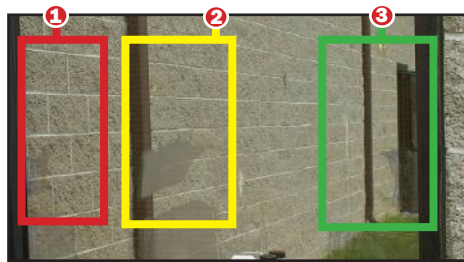
*\*\*Always refer to the product data sheets prior to using any chemical. Always clean a test area and allow to dry before determining suitability of any cleaning product.*

### Limitations:

- Plants may be damaged by direct contact.
- Can burn skin.

# Sealers

## Types of Sealers



- ① Modified siloxane
- ② Acrylic resin
- ③ Water based siloxane

Pictured above are the actual test samples of coatings left on mirrored glass at EaCo Chem Inc. for one month. In every case the sealer was applied very heavily to mimic a worst case scenario. All the products were removed almost instantaneously with EaCo Chem's Graf-Ex. A brown residue was noted with modified polysiloxane and water based siloxane that was removed with EaCo Chem's OneRestore®. This brown residue was an apparent reaction with the surface. A wipe with undiluted OneRestore® removed the film immediately.

We anticipated no special precautions with Graf-Ex, as it is safe on anodized and glass. Its main objective is to remove graffiti from painted surfaces. It is water rinseable and is stopped by the addition of water so it is very controllable. We observed on another window, a hazing that occurred on the mirrored glass from the OneRestore® but not the Graf-Ex. This area had another stripper used to remove another siloxane. We recommend that if little black dots or speckles on the surface can be seen, abstain from using OneRestore® on that area.

The appropriate procedure for removing the coating would be to use a cloth or brush that has been wetted with Graf-Ex and wipe it on the coating. The softening should occur immediately if the coating is fresh or in 15 to 30 seconds if it has cured for weeks. Simply wipe it off with a clean cloth or rinse with a spray bottle, garden hose, or pressure washer. A good sign of successful removal is a lack of beading of water when dropped onto the surface. If beading still occurs, squeegee the glass and repeat with a longer soak, then remove. OneRestore® is needed to remove water based siloxane stains, which should be used straight, sprayed or wiped on, then removed as stated above.

*Acrylic Coating  
Use Graf-Ex*



*Water Based Acrylic Coating  
Use Graf-Ex*



# PlexiClean

## PlexiClean

PlexiClean is made to safely clean plexiglass and remove graffiti. This product will not smoke or craze and is excellent for both bus windows and phone booths. Often just a wipe with a damp cloth will remove most paint and ink.

### Benefits

- Does not craze plexiglass
- Biodegradable

### Removes

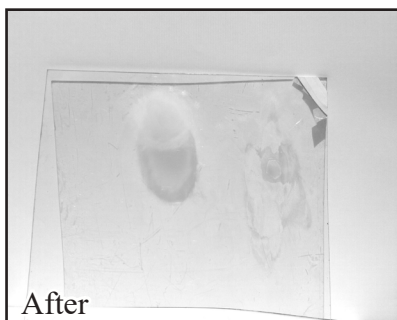
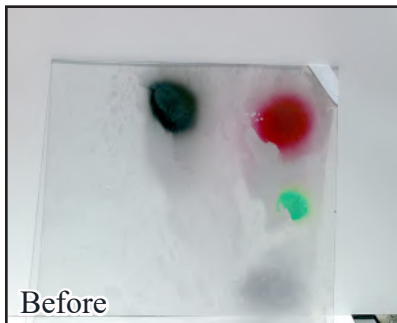
- Paint
- Ink
- Graffiti

### Surfaces Safely Used On

- Plexiglass

### Application Process

Product can be applied straight with either a low pressure sprayer unit or wiped on with a cloth. When wiping off, use a damp cloth. Sometimes two applications of the product may be necessary. A wet on wet application is used, with a short dwell time prior to removal.



*\*\*Always refer to the product data sheets prior to using any chemical. Always clean a test area and allow to dry before determining suitability of any cleaning product.*

### Limitations:

Ensure complete rinse

# Graffiti Removal Options

## Painted Surfaces

Graf-Ex is a special purpose coating stripper designed for safety and low odor. It is an outstanding performer in the removal of inks and paints from painted surfaces. Water can be used to stop its penetration and to rinse. Graf-Ex is not dilutable. Use it straight and apply with either a low pressure spray or wipe it with a cloth and rinse.

## Brick

Acrylistrip, Stripper Cream or LCS will remove most graffiti. Acrylistrip is a solvent based stripper, good on a wide variety of paints, but safe for the environment. LCS is a thin water based product that should be sprayed or agitated, then pressure washer rinsed. LCS is caustic based.



Stripper Cream is a paste used for multi layered graffiti and tags. It is caustic based and requires time for complete removal.

## Graffiti on Block, Limestone and Sandstone

Stripper Cream is recommended for the removal of graffiti on limestone because it will not change the color of the stone or damage its structural quality. First, pre-wet the wall with a pressure washer.

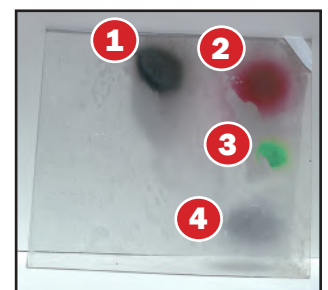


The product may be rolled or brushed on to help it to be pushed into the interstitial pores of the stone. For large areas, spraying would be beneficial.

## Plexiglass

Spray with PlexiClean, undiluted, allow product to dwell for 5-10 minutes. Then wipe or pressure wash off. Note the ingredients in the High Temperature paint melted the plexiglass.

- 1 High Temperature paint
- 2 Enamel spray paint
- 3 Fluorescent acrylic spray paint
- 4 Aluminum spray paint



# Paint Stripping Charts

Rated from 0-5, 0 being the Least Effective while 5 being the Most Effective.

<b>SOFTWOOD</b>	Stripper Cream*	InStrip*	Acrylistrip	Stripsol LO	LCS	Graf-Ex
(A) Shellac	5	5	5	5	5	5
(B) Black Lacquer	4	5	5	5	4	5
(C) Epoxy, black appliance	4	5	3	3	4	0
(D) Water-based polyacrylic	1	5	5	5	1	5
(E) Varnish	1	5	2	1	0	2
(F) Timber Oil	4	1	1	1	5	1
(G) Primer White Alkyd Resin	1	5	5	0	3	0
(H) Polyurethane	5	5	5	3	1	4
(I) Enamel, Black high perf, oil based	4	4	4	1	4	2

<b>HARDWOOD</b>	Stripper Cream*	InStrip*	Arcylis-trip	Stripsol LO	LCS	Graf-Ex
(A) Shellac	5	5	5	5	5	5
(B) Black Lacquer	4	5	5	4	4	5
(C) Epoxy, black appliance	5	4.5	4.5	4.5	4.5	4.5
(D) Polyacrylic	2	5	5	4	3	5
(E) Primer white alkyd resin	0.5	4.5	4	4.5	1	4.5

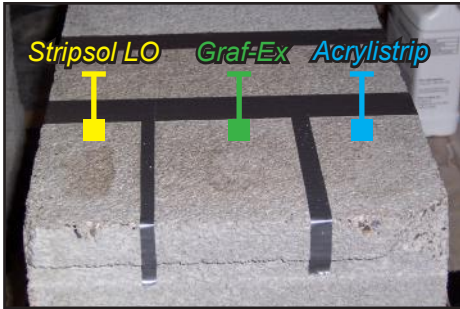
<b>METAL</b>	Stripper Cream*	InStrip*	Acrylistrip	Stripsol LO	LCS	Graf-Ex
(A) Epoxy, Black appliance	4	5	5	5	3	5
(B) Primer, white alkyd resin	4.5	3	5	4	1	4.5
(C) Chrome, rust-oleum solvent enamel	1.5	5	5	5	3	5
(D) Enamel, Black Glass, high perf oil	0.5	5	5	5	2	5

\*These products were given a 30 minute dwell time

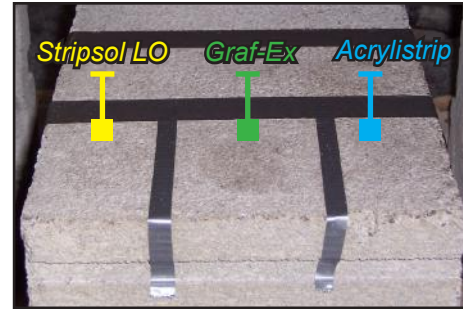
- All other products given 10 minute dwell times

# Coatings

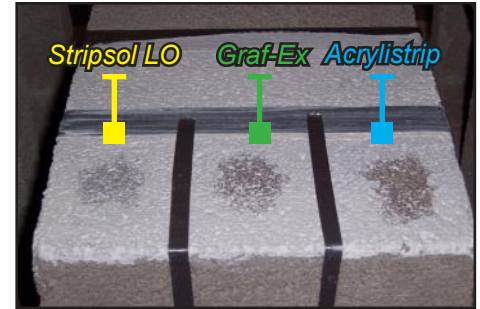
**A** Acrylic Semi-Gloss



**B** Solvent Based Silicone



**C** Solvent Based Acrylic



Coatings A+B both dry clear on block. To check for complete removal, you would place a drop of water on the surface. If the drop stays on top and is not absorbed, then coating is not removed. If the drop is sucked into the surface, the sealer is completely gone.

C is a white pigmented waterproofing material. Removal is obvious where the substrate can be seen through the white surface coating.

## SEALER REMOVAL

Rated from 0-5, 0 being the Least Effective while 5 being the Most Effective.

	Stripsol LO	Graf-Ex	Acrylistrip
(A) Acrylic Semi-Gloss	5	4	4
(B) Solvent Based Silicone	4	5	4
(C) Solvent Based Acrylic	3	4	5

\* These products were given a 30 minute dwell time  
 • All other products given 10 minute dwell times

## Silicate

**\*Tips for the Pros\***

### Test Samples of Silicate Being Removed From Concrete



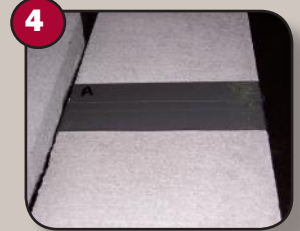
Test samples of silicate left on concrete.



Product is sprayed undiluted and allowed to dwell for 15-20 min.



Pressure wash off.



Silicate sealer has been removed on bottom portion of masking tape.

When testing to see if silicate sealer is removed, put a drop of water on the surface and watch if it stays on top or absorbed into the surface. If the water bubbles and stays, then it is still there. If it is absorbed, then it has been removed.

When a product fails, or is applied improperly, a white crystalized or chalky deposit will form on top.

Concrete Chemical Co. has recommended the use of Silicate Blush Remover to take off the sealer that has been applied improperly without damaging the surface.



# Multi-Layer Paint Removal



When removing multi-layer paint, it is important to apply the coating stripper heavily enough to dissolve all layers of paint. Apply on the surface from in to out and down to up. Remember, this is not paint and you are not trying to spread it thinly. Thick is better as this leaves adequate caustic in an area to get through multiple layers. Stripper Cream will work more quickly in warmer temperatures. If the temperature drops overnight, the stripping reaction will slow.

We do not recommend covering everything during a coating removal job, but you should cover anything that might be immediately harmed by the undiluted stripper during application. If you get the chemical on anything, especially people, wipe it off with a dry cloth, spray with vinegar to neutralize and then rinse with water. Do not add water first or use a damp cloth, as water will activate the chemical. Make sure you get a heavy concentration of the stripping agent under the eaves, windowsills or on porch areas where the paint has been sheltered from the weather and is therefore not subject to as much fading or degradation over the years.



Following the easy part, which is letting the chemistry work, do a scratch test with a putty knife or screwdriver. If in the places in which you scratch you see the substrate, you are ready to start removal.

To start rinsing, a pressure washer or garden hose can be used at low pressure. Start the rinsing process at the top and work down. After you have pre-rinsed down a few feet, quickly apply another application of the stripper cream diluted 4:1 with water. Allow this to sit on the surface as you

proceed pre-rinsing down the wall.

After going all the way down the wall, go back to the top with the pressure washer and test to see if the wall is ready for final rinse. You should see almost 100% release when you pressure wash. Any section, such as under the eaves, that is highly resistant to stripping should just be re-coated with the undiluted stripper. A lot of caustic in this process can be sucked into the unpainted masonry which, especially in historic jobs, can be porous. Normally, these will need re-pointed and you would remove the resulting caustic efflorescence after pointing by using NMD 80 at 4:1 dilution.

*\*\*Always refer to the product data sheets prior to using any chemical. Always clean a test area and allow to dry before determining suitability of any cleaning product.*

(724) 656-1055

[www.EaCoChem.com](http://www.EaCoChem.com)



# Deck Stripping

EaCo Chem's **LCS** will remove multiple layers of latexes, acrylic latexes, alkyds, certain enamels, oil based stains, and other resin coatings. This coating stripper is not flammable and has a citrus scent. This chemical may cause harm on some substrates to which it would be applied including bare wood, metals, asphalt shingles, vinyl siding and aluminum trim. Plants may be damaged by direct application so take care to not allow the product to contact plants when you are applying.

Always test the product in an inconspicuous area before starting the job. **LCS** has an extremely wide range of applications. It is virtually instantaneous in penetrating most deck stains and paints. Limitations of the product include keeping the chemical from directly interacting with plants and unprotected skin as the product may harm plants and burn skin. To avoid harm to masonry, do not clean when temperatures are below freezing or that may drop below freezing overnight. Best cleaning results are achieved when air and masonry surface temperatures are 40° Fahrenheit or above. Testing should confirm cleaning effectiveness on each type of surface and stain designated to be cleaned. Tests should also be done to determine the desired surface contact time and any potential for adverse reactions with adjacent materials. Allow test panels to dry thoroughly before evaluating final appearance and results.



**Acrylistrip** is a solvent based sealer, stain, coating and paint stripper with a wide range of applications. **Acrylistrip** will remove multiple layers of acrylics, deck sealers, polymer coatings, latexes, acrylic latexes, alkyds, enamels, oil-based stains, polyurethanes and other resin coatings.

**Application Instructions:** **Acrylistrip** is best applied through a low pressure application system, but it can be brushed, wiped, or rolled on to the surface. Coverage is expected to be between 250 to 400 sq. ft. per gallon. Results will be faster and more complete on horizontal surfaces. Depending on the paint or coating involved, more than one coat or a second application may be needed. Certain enamels may best be removed with **Acrylistrip CS** which is a caustic and d-limonene water based product. If you find that surface under your paint is gray or weathered, try some **Britenol** to restore it to the original color without harming the surface.

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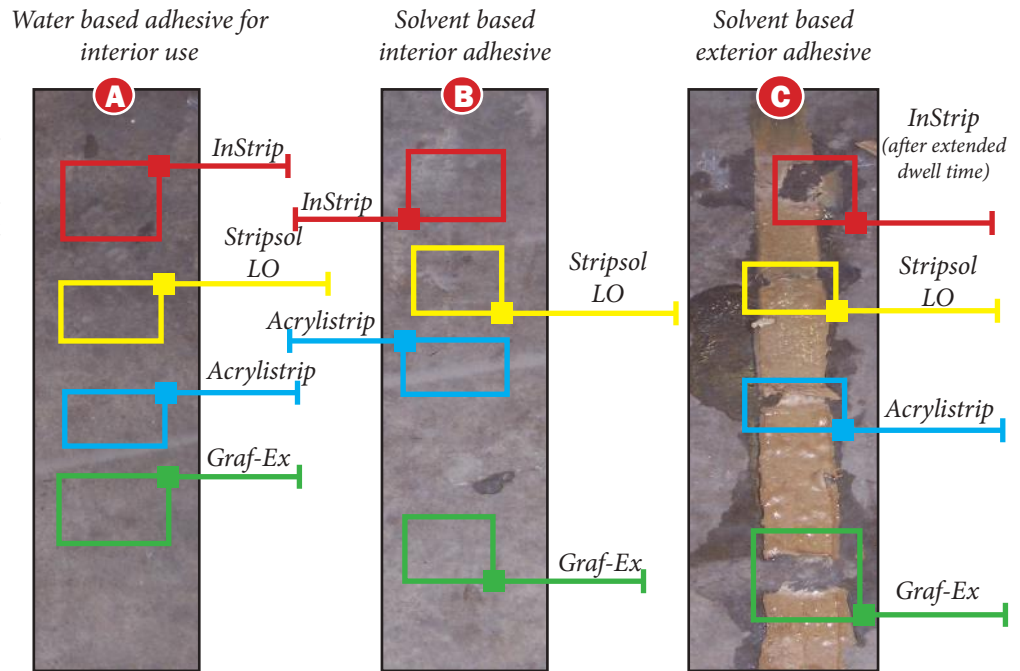


# Specialty Stripping

## Adhesives

Coatings A+B both dry clear on block. To check for complete removal, you would place a drop of water on the surface. If the drop stays on top and is not absorbed, then coating is not removed. If the drop is sucked into the surface, the sealer is gone.

C is a pigmented adhesive. Removal is obvious where the substrate can be seen through the white surface coating.



## ADHESIVE REMOVERS

Rated from 0-5, 0 being the Least Effective while 5 being the Most Effective.

	InStrip*	Acrylistrip	Stripsol LO	Graf-Ex
(A) Water Based Adhesive for Interior Use	5	5	5	5
(B) Solvent Based Interior Adhesive	5	5	4.5	4.5
(C) Solvent Based Exterior Adhesive	5	0.5	1	5

- \* These products were given a 30 minute dwell time
- All other products given 10 minute dwell times



## Mastic Adhesives

Mastic is an adhesive usually black/tan colored adhesive, used to adhere ceramic tile, asphalt tile, and outdoor/indoor carpet. Use Graf-Ex for indoor projects or Acrylistrip if project for outside projects for where adequate ventilation is available.

\*\*Always refer to the product data sheets prior to using any chemical. Always clean a test area and allow to dry before determining suitability of any cleaning product.

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www.EaCoChem.com





# Paint Stripping *Manual*

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