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HISTORIC JAIL RENOVATIONS

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The Proper Cleaning + Disinfecting of Formica® Products



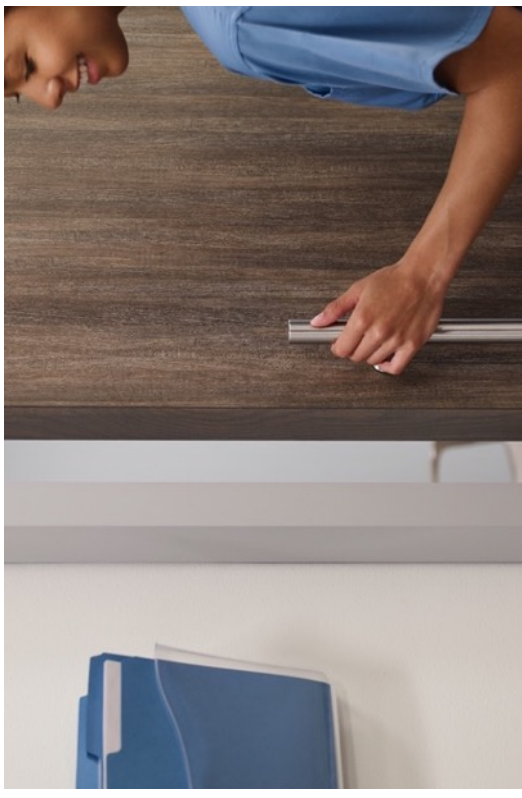


Three Steps for Every Day Cleaning

1. Use a clean, damp, nonabrasive cotton cloth and a mild liquid detergent or household cleaner. Clean the soiled area using a rotating motion.
2. Next, rinse with clean water, using a clean, non-abrasive cotton cloth. Take care not to flood the laminate, especially near seams
3. Dry the surface with a soft, clean, non-abrasive cotton cloth.

Recommended Cleaners

- Liquid dish soap like Dawn®
- Fantastik® All Purpose Cleaner
- Formula 409®
- Pine-Sol® (original formula)
- Windex®



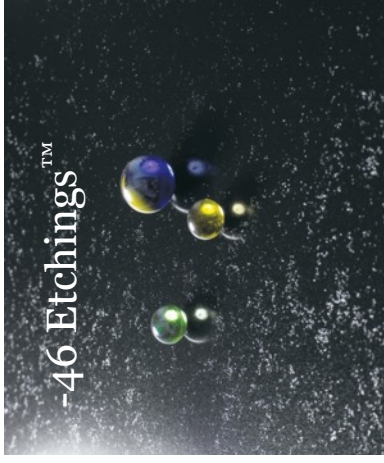
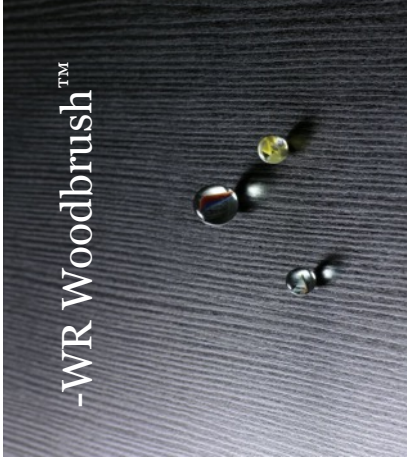
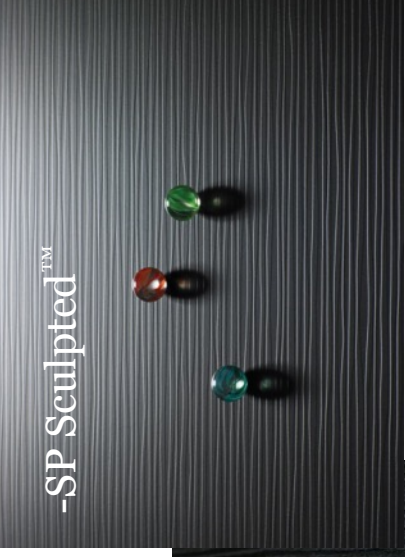
What to Avoid

- Abrasive pads - like scouring powders, steel wool, Scotch-Brite™ and sandpaper
- Abrasive cleaners like scouring powders, Ajax®, Comet®, Magic Eraser
- Acidic or Alkali based Cleansers



Deep Texture Cleaning Tips

- Use a nylon bristled hand or vegetable brush
- Mild liquid detergent and water solution
- Clean the soiled area using a rotating motion
- Finish by rinsing with water, and then dry the surface.



Formica® Products & FENIX™

The Three Step Every Day Cleaning Method
applies to all Formica® Brand products

- Formica® Brand Laminate
- Formica® Writable Surfaces
- 180fx®
- Formica® Compact
- ColorCore®2
- DecoMetal®
- Formica Infiniti®
- Formica Infiniti® ColorCore®2
- Formica Envision™
- HardStop™
- IntenteK™
- Everform™ Solid Surface
- FENIX™



Special Cleaning Recommendations

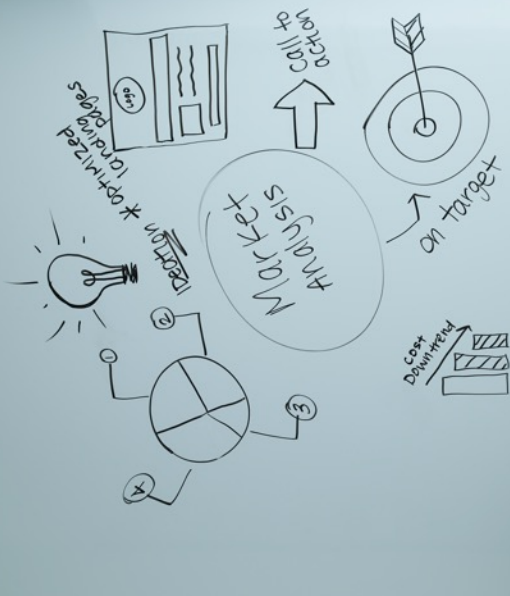
- Markerboard & Chalkboard
- Stains
- Glue
- Paint or Varnish
- Solid Surfacing/Sinks



Formica® Writable Surfaces

Gloss (-90)

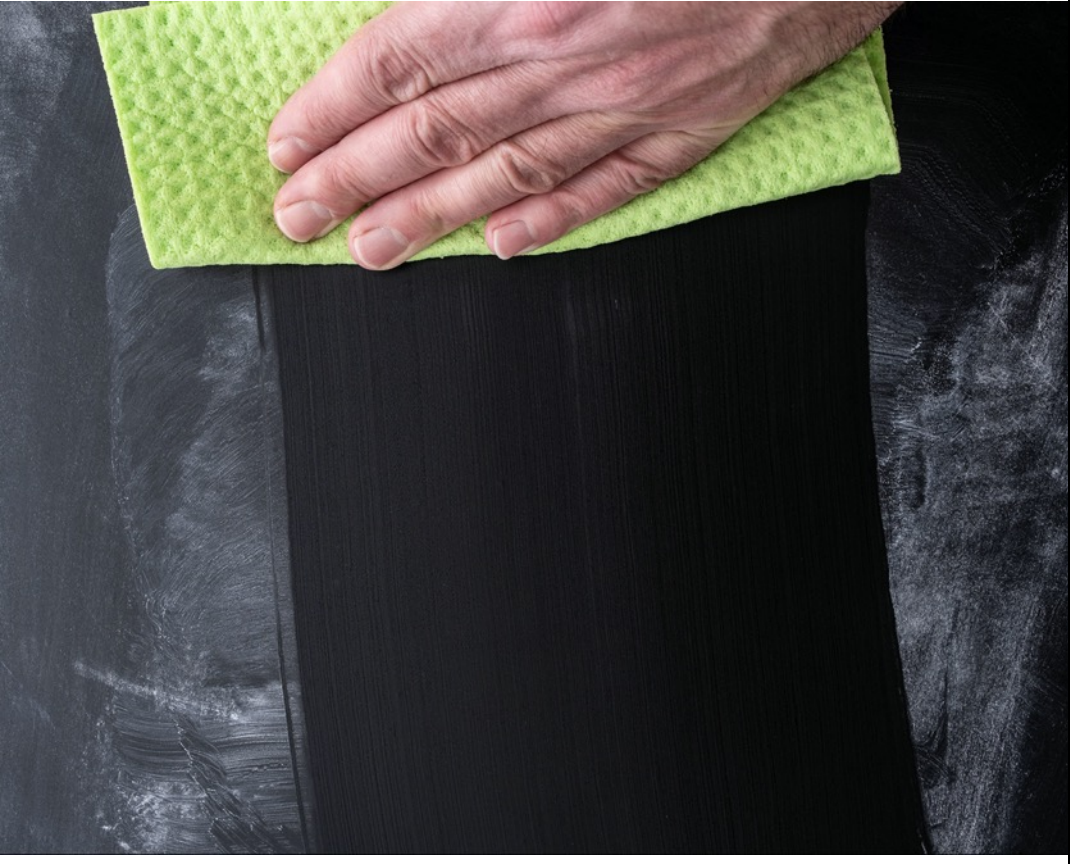
- Wipe with a clean, nonabrasive cotton cloth or standard dry erase eraser.
- If residual streaks remain after normal cleaning, use a mild glass cleaner, then dry with a clean, non-abrasive cotton cloth.
- Stubborn marks may require alcohol or acetone
- Marker left on the surface for long periods of time may require a marker board cleaner and conditioner specifically designed for dry erase surfaces



Formica® Writable Surfaces

Chalkboard

- Wipe clean with a sponge and water.
- Stubborn marks may require alcohol or acetone.
- Always test chalkboard pens for ghosting on a small area before using on a larger surface.



Three Steps to Remove Tough Stains

1. Apply a recommended cleanser and allow it to draw out the stain.
 - Acetone
 - Rubbing alcohol (isopropyl)
 - Ethanol
2. Clean using a rotating motion. If a cotton cloth or sponge doesn't do the trick, try using a nylon-bristle brush.
3. Rinse with water and dry the surface. Remember, it is important to remove all cleanser from the surface.

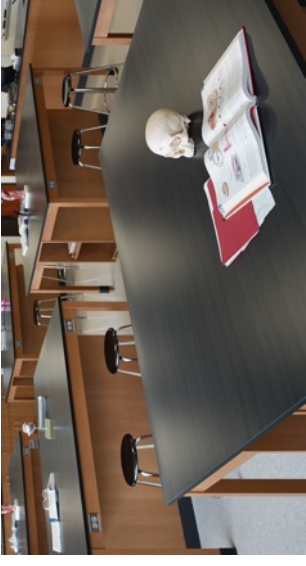
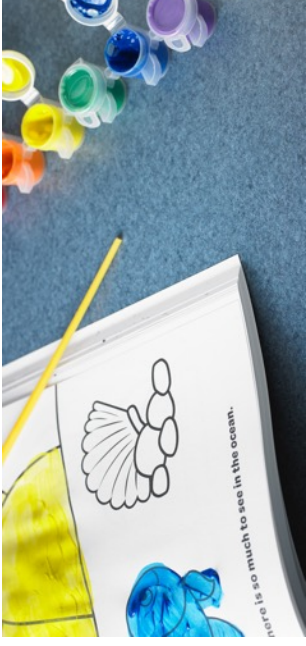


The Baking Soda Method – Tougher Stains

- Apply paste of baking soda and water
- Wipe up the paste with damp non-abrasive cotton cloth
- Rinse clean with water



Removing Glue, Paint, and Varnish



- Newly installed decorative laminate can have a streaky appearance caused by contact adhesive used during fabrication.
 - Clean with a non-abrasive cotton cloth and an adhesive solvent
- For Super Glue, acetone works well
- Most oil-based paints, varnishes and lacquers can be removed from decorative laminate surfaces with a suitable solvent

Everform™ Solid Surface

Stubborn Stains

- Soft Scrub®*
- Bleach

Sinks

- Scrub with Comet®, Ajax®, Scotch-Brite™

Everform™ Solid
Surface is repairable



*may affect gloss level. See Everform™ Solid Surface technical data sheet for more details.

Disinfectant Use on Formica Products

EPA Approved List N Products

- Over 420+ Products & Growing
- Keyword Search on EPA Website by:
 - EPA Registration Number
 - Active Ingredient
 - Use
 - Contact Time

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

Formica Tested Products From Key Active Compound Categories

- Test Method: Spot Test – NEMA 3-4



Cleaning and Disinfectants (EPA Approved List N Products)

HPL*

General Cleaning:

- Fantastik®
- Formula 409®
- Windex®
- Liquid dish soap (Dawn®)

Disinfecting:

- Quaternary Ammonium
- Alcohols (Isopropanol, Ethanol)
- Sodium Hypochlorite (Bleach)
- Hydrogen Peroxides

(FENIX™ & Formica® Infiniti)**

General Cleaning:

- Fantastik®
- Formula 409®
- Windex®
- Liquid dish soap (Dawn®)

Disinfecting:

- Quaternary Ammonium
- Alcohols (Isopropanol, Ethanol)
- Sodium Hypochlorite (Bleach)
- Hydrogen Peroxides
- Phenolic

Always follow cleaning or disinfectant with a warm water rinse and dry

*Also applies to Formica® Compact, ColorCore®2, HardStop™, Formica Envision™, and Intentek™

**Also applies to Formica Infiniti® ColorCore®2



Cleaning and Disinfectants (EPA Approved List N Products)

DecoMetal (Brushed Aluminum)

General Cleaning:

- Fantastik®
- Formula 409®
- Windex®
- Liquid dish soap (Dawn®)

Disinfecting:

- Quaternary Ammonium
- Alcohols (Isopropanol, Ethanol)
- Sodium Hypochlorite (Bleach)
- Hydrogen Peroxides

Solid Surfacing

General Cleaning:

- Fantastik®
- Formula 409®
- Windex®
- Liquid dish soap (Dawn®)

Disinfecting:

- Isopropanol
- Sodium Hypochlorite (Bleach)

Always follow
cleaning or
disinfectant with a
warm water rinse
and dry

EPA COVID19 Disinfectant List & Common Brands

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

Quaternary Ammonium

(198 listed)

- Clorox® Disinfecting Wipes
- Clorox Healthcare® VersaSure® Wipes
- Clorox Commercial Solutions®
Disinfecting Wipes
- Lysol® Disinfecting Wipes (All Scents)
- Lysol® Brand All Purpose Cleaner
- Sani-Cloth® Germicidal Disposable Cloth
- Super Sani-Cloth® Germicidal Disposable
Wipe
- Virex™ II 256
- Fantastik® Multi-Surface Disinfectant
Degreaser
- Enviro® Liquid Disinfectant Cleaner
- Caviwipes™
- Cavicide™

Sodium Hypochlorite (Bleach)

(54 listed)

- Clorox Healthcare® Bleach Germicidal Wipes
- Ultra Clorox® Brand Regular Bleach (8.25%)
- Clorox Healthcare® Bleach Germicidal Cleaner
Spray
- Clorox® Disinfecting Bleach2
- CloroxPro™ Clorox® Germicidal Bleach
- CPPC Ultra Bleach 2
- Sani-Cloth® Bleach Germicidal Disposable
Wipe
- Caviwipes™ Bleach
- Cavicide™ Bleach
- Dispatch®
- Lysol® Brand Bleach Mold and Mildew
Remover

EPA COVID19 Disinfectant List & Common Brands (cont'd)

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

Hydrogen Peroxides

(43 listed)

- Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant
- Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant Wipes
- Clorox Commercial Solutions® Clorox® Disinfecting Bleach & Odor Remover
- Oxivir™ Tb
- Oxivir™ Wipes
- Oxivir™ 1 Wipes
- Accel® Tb
- Accel® TB Wipes
- Accel® (Concentrate) Disinfectant Cleaner
- Oxy-1 Wipes
- Sani-HyPerCide™ Germicidal Spray
- Oxy-Team™ Disinfectant Cleaner

Phenolic

(9 listed)

- Steris LpH®
- Steris Vespene® II
- Opti-Phene
- Wex-Cide 1128

Ethanol

(18 listed)

- Purell® Professional Surface Disinfectant Wipes
- Lysol Neutra Air® 2 in 1
- Wedge Disinfectant Wipes

Isopropanol

(11 listed)

- Klercide™ 70/30 IPA
- Alpet® D2
- Opti-Cide 3®

THANK YOU

www.formica.com



HIMACS Care & Maintenance

Thank you for selecting HIMACS to enhance your living space. At LX Hausys we know life happens on countertops, but you can protect your investment with minimal care and these simple precautions.

GENERAL CARE

Always use a trivet (or similar device) with soft feet under any heat-generating device such as a toaster oven or electric fry pan. Avoid contact with strong chemicals such as drain cleaners and oven cleaners - they can cause discoloration of HIMACS that may be permanent. In the event of accidental contact immediately wipe up the splash, clean the affected area, rinse thoroughly with clear water, and buff dry.

ROUTINE CLEANING

HIMACS is non-porous so stains don't penetrate the surface. Everyday cleaning requires only a damp cloth (microfiber works well) and a mild detergent solution or all-purpose countertop cleaner, rinse with clear water and buff dry. This will also reduce possible "hard water" mineral buildup around faucets. Some suggested cleaners are shown below and ammonia-based cleaners also work well, however some window cleaners can leave a film residue that will build up over time.

SPILLS, SPLASHES, SPOTS

Some foods, beverages, and food preparation materials contain food color and dyes that may require a little more attention. If they aren't removed with the "routine care" steps, first remove any excess with a plastic putty knife. Then try one of the "Less Abrasive Cleaning Products" shown below. Apply the product directly to the affected area, rinse, and buff dry.

UNUSUAL STAINS

If further attention is needed any of the "More Abrasive Cleaning Products" shown below can be used. It's rare, but sometimes it may be necessary to use diluted (1:4) household bleach such as Clorox® applied directly to the affected area. Never let the bleach solution sit more than two or three minutes before thoroughly rinsing and drying the area. It can be used on HIMACS sinks and vanity bowls too.

- Nail polish spills can be removed using nail polish remover by applying it to a cotton ball or swab, wipe (don't scrub) the affected area, wash, and rinse. Be careful with acetone-based removers – it's important to limit exposure to avoid discoloration.
- "Super Glue" (cyanoacrylate) spills should first be reduced using a plastic putty knife. The remaining residue can usually be removed following the steps for nail polish (it may require an acetone-based nail polish remover). Be sure to clean, rinse, and buff dry. If necessary, repeat the process.

DISINFECTING

For information about specific products, visit the Environmental Protection Agency (EPA) website to review "List N", a list of EPA registered products, at <https://cfpub.epa.gov/wizards/disinfectants>.

REPAIRING SCRATCHES

For removing superficial scratches, rub the area in a circular motion with a wet Scotch Brite® or similar buffing pad until the scratches are removed. Clean thoroughly with soap and water and let dry. Deeper scratches can often be removed by careful light sanding with 120-grit sandpaper followed by 220- and 320-grit. Next, buff the entire surface with a wet Scotch Brite® or similar pad. Use a circular motion to restore the overall finish level.

SEVERE DAMAGE

Should your HIMACS sustain heat damage, a deep cut or gouge, fracture, crack or any other severe damage, a professional fabricator can usually repair your surface to look as good as the day it was installed.

Less Abrasive Cleaning Products	More Abrasive Cleaning Products
Formula 409®, Greased Lightning®, Simple Green®, Windex® Disinfectant Multi-Surface Cleaner, ammonia-based spray cleaners	Ajax® Comet®
Household baking soda and water paste	Mr. Clean® Magic Eraser products
Barkeepers Friend®, Soft Scrub® (liquid)	Barkeepers Friend® (powder)
3M™ Scotch Brite pad, wet (#7445 white, #7448 light gray)	3M™ Scotch Brite pads, wet (#7447 maroon, #6448 dark gray, or green as found on sponges)