

Stain and Chemical Resistance of STUDIO Collection® Design Resin Sheets

This technical bulletin discusses the stain and chemical resistance of STUDIO Collection® design resin sheets. The difference between stain and chemical resistance is that chemical resistance is a measure of visible surface changes while Stain resistance looks at the effects below the surface.

To determine stain and chemical resistance, chemical reagents are placed on the surface for 16 hours*. After the 16 hour period, reagents are removed using the cleaning methods described in each referenced standard.

*Although the 16 hour period is standard test procedure, it is recommended to remove chemicals as soon as possible to prevent most damage to the surface.

Stain Resistance

The following reagents show no lasting effects on the surface of STUDIO Collection® design resin sheets when tested to the ISFA 2-01 Cleanability/Stain Resistance standard.

Acetone	Citric Acid (10%)	Hair Dye	Naphtha	Trisodium Phosphate (5%)
Ball Point Ink Pen	Cupra Ammonia	Household Ammonia	Pencil Lead	Vegetable Oil
Black Paste Shoe Polish	Distilled Water	Instant Coffee	Povidone Iodine, 10%	Wax Crayon
Bleach (Household Type)	Ethyl Alcohol (90%)	Isopropyl Alcohol (90%)	Prepared Yellow Mustard	Wet Pekoe Tea Bag
Catsup	Finger Nail Polish Remover			

Chemical Resistance

The following reagents show no lasting effects on the surface of STUDIO Collection® design resin sheets when tested to the ANSI/ICPA SS-1 standard:

Acetic Acid (10%)	Dishwashing Liquid (Cascade)	Methyl Acetate	Sodium Sulfate (10%)
B-4 Body Conditioner	Dishwashing Liquid (Dawn)	Methyl Ethyl Ketone	Soy Sauce
Bleach (Household Type)	Ethanol	Methyl Orange (1%)	Sugar (Sucrose)
Blood	Gasoline	Methyl Red (1%)	Toluene
Butyl Acetate	Hydrogen Peroxide	Mineral Oil	Tomato Juice
Butyl Alcohol	Hydrogen Peroxide Solution, 3%	Olive Oil	Wine
Butyl Ether	Lemon Juice	Pig Blood	Xylene
Citric Acid (10%)	Mercurochrome 2%	Sodium Hydroxide Solution <10%	Zinc Chloride (10%)
Cupra Ammonia	Methanol		

Chemicals to Avoid

The following reagents should not come into contact with STUDIO Collection® design resin sheets for long periods of time. These reagents may cause surface changes on the sheet that are more difficult to remove than the reagents in the previous charts.

Hydrochloric Acid >10%

Nitric Acid >25%

Sodium Hydroxide Solution >10%

Sulfuric Acid >25%

For cautions and other information relating to handling of and exposure to this product, please see the applicable material safety data sheet published by Aristech Surfaces

This information is based upon technical data and experience with Aristech Surfaces products, and is intended for use by persons having technical skill and at their own discretion and risk. Before using an Aristech Surfaces product, customers and other users should make their own independent determination that the product is suitable for the intended use. For most uses, check your local code for approval and test for application suitability. Aristech Surfaces does not warrant that this information is absolutely current or accurate. Aristech Surfaces makes no representations or warranties, express or implied, with respect to this information, including any warranties of title, non-infringement of copyright or patent rights of others, merchantability, or fitness or suitability for any purpose. Aristech Surfaces assumes no liability or responsibility for the accuracy, completeness, or usefulness of any information. This information should not be relied upon to create specifications, designs, or installation guidelines. The persons responsible for the use and handling of the product are responsible for ensuring the design, fabrication, or installation methods and process present no health or safety hazards. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. Aristech Surfaces does not have and assumes no liability for the use of or results obtained from such information, whether or not based on Aristech's negligence. Aristech shall not be liable for (i) any damages, including claims relating to the specification, design, fabrication, installation, or combination of this product with any other product(s), and (ii) special, direct, indirect or consequential damages.

July 2019



www.aristechsurfaces.com

GLOBAL HEADQUARTERS
7350 Empire Drive, Florence, KY 41042, USA
+1.800.354.9858

BELEN OFFICES
1945 Hwy 304, Belen NM 87002, USA

INTERNATIONAL OFFICES
Clerkenwell Workshops, Unit 301, 27/31 Clerkenwell Close
Farringdon, London EC1R 0At, UK
+44.208.065.5405