

## STAIN AND CHEMICAL RESISTANCE OF ARISTECH SURFACES AVONITE® ACRYLIC SOLID SURFACE

Stain and chemical resistance of Avonite® Acrylic Solid Surface are determined by testing to section 5.3 (Cleanability/Stain Resistance) in the ISFA 2-01 (2013) standard "Classification and Standards for Solid Surfacing Material". The procedure consists of placing chemical reagents on the surface for 16 hours (\*) both covered and uncovered. After the 16 hour period, reagents

are removed using a three step process detailed within that standard.

\*Although the 16 hour period is standard test procedure, in normal use, it is recommended that any spills be removed as soon as possible to prevent any lasting damage to the surface.

The following reagents may be removed with a wet scouring pad and a bleaching cleanser:

Acetic Acid (10 %)	Citric Acid (10%)	Methyl Ethyl Ketone	Sodium Hypochlorite (5%)
Acetone $\alpha$	Coffee	Methyl Orange (1%)	Sodium Sulfate (10%)
Acridine Orange	Cupra Ammonia	Methyl Red (1%)	Soy Sauce
AG Eosin Blue (5 %)	Dishwashing Liquid (Cascade)	Mineral Oil	Sugar (Sucrose)
AG Gentian Violet	Dishwashing Liquid (Dawn)	Nail Polish Remover $\beta$	Tea
Ammonia (10 %)	Distilled Water	Naphthalene (Naphtha)	Toluene
Ammonium Hydroxide (28%)	Equalizing Accelerator	Nitric Acid (6%)	Tomato Juice
Amyl Acetate	Ethanol	Olive Oil	Trisodium Phosphate (5%)
Amyl Alcohol	Ethyl Acetate	o-Pthalaldehyde (OPA)	Urea (6 %)
Aromatic Ammonia	Ethyl Alcohol (90%)	Pencil Lead	Uric Acid
B-4 Body Conditioner	Gasoline	Perchloric Acid	Urine
Ball Point Pen	Hexane $\alpha$	Permanent Marker Ink	Vegetable Oil
Betadine Solution	Household Soaps	Picric Acid	Vinegar
Bite Registration Accelerator (2% Eugenol)	Hydrogen Peroxide	Pig Blood	Wax Crayon
Bite Registration Base	Hydrogen Peroxide	Pine Oil	Wet Pekoe Tea Bag
Black Paste Shoe Polish	Instant Coffee	Povidone Iodine, 10%	Wine
Bleach (Household Type)	Isopropyl Alcohol (90%) $\alpha$	Salt (Sodium Chloride)	Xylene
Blood	Lemon Juice	Silica Dental Cement (liquid)	Yellow Mustard
Butyl Acetate	Lye Solution (1-2%)	Silver Nitrate (10%)	Zinc Chloride (10%)
Butyl Alcohol	Mercurochrome (2%)	Soapless Detergents	
Butyl Ether	Methanol $\alpha$	Sodium Bisulfate	
Catsup	Methyl Acetate	Sodium Hydroxide Solution <10% $\alpha$	
$\alpha$ – may cause slight lightening after prolonged exposure $\beta$ – may cause deglossing after prolonged exposure			



## CHEMICALS TO AVOID

The following reagents should not come into contact with Avonite® Acrylic Solid Surface sheets for long periods of time. These reagents may cause surface changes on the sheet that are more difficult to remove and may need to be sanded for full removal.

Bite Registration Mix (50/50)	Nail Polish
Dry-Bond Dental Adhesive	Nitric Acid >25%.
Eosine Methylene Blue	Sodium Hydroxide Solution >25%
Eosine Methylene Blue	Sulfuric Acid >25%
Hydrochloric Acid >20%	

**Note: for cautions and information on exposure to any Aristech Surfaces' product, please see the applicable material safety data sheet.**

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