

## Chemical Resistance Comparison

### Trespa TopLab<sup>PLUS</sup> -versus- Epoxy Resin

#### Chemical/Stain Test Evaluation

After 24-hours exposure, exposed areas were washed with water, then a detergent solution and finally with isopropyl alcohol. Materials were then rinsed with distilled water and dried with a cloth. Samples are numerically rated as follows:

0 = No Effect	1 = Excellent	2 = Good	3 = Fair
No detectable change in the material surface.	Slight detectable change in color or gloss but no change in function or life of the surface.	A clearly discernible change in color or gloss but no significant impairment of surface life or function.	Objectionable change in appearance due to discoloration or etch, possibly resulting in deterioration of function over an extended period of time.

	Trespa TopLab <sup>PLUS</sup>	Epoxy Resin	Trespa TopLab <sup>BASE</sup>
Reagent Tested	Rating	Rating	
Amyl Acetate	0	0	0
Ethyl Acetate	0	0	0
Acetic Acid, 98%	0	0	0
Acetone	0	1	1
Acid Dichromate, 5%	0	0	1
Butyl Alcohol	0	0	0
Ethyl Alcohol	0	0	0
Methyl Alcohol	0	1	0
Ammonium Hydroxide, 28%	0	0	0
Benzene	0	1	0
Carbon Tetrachloride	0	0	0
Chloroform	0	1	0
Chromic Acid, 60%	0	0	0
Cresol	0	0	0
Dichloro Acetic Acid	0	0	0
Dimethylformamide	0	0	0
Dioxane	0	0	1
Ethyl Ether	0	0	0
Formaldehyde, 37%	0	0	1
Formic Acid, 90%	0	0	1
Furfural	1	1	0
Gasoline	0	0	0
Hydrochloric Acid, 37%	0	0	1
Hydrofluoric Acid, 48%	3	3	3
Hydrogen Peroxide, 28%	0	0	0
Tincture of Iodine	0	0	2
Methyl Ethyl Ketone	0	0	0

Methylene Chloride	0		0		0
Mono Chlorobezene	0		0		0
Napthalene	0		0		0
Nitric Acid, 20%	0		0		1
Nitric Acid, 30%	1		1		1
Nitric Acid, 70%	2		1		1
Phenol, 90%	0		0		0
Phosphoric Acid, 85%	0		1		0
Silver Nitrate, Saturated	0		0		1
Sodium Hydroxide, 10%	0		1		0
Sodium Hydroxide, 20%	0		1		0
Sodium Hydroxide, 40%	0		1		0
Sodium Hydroxide, Flake	0		1		0
Sodium Sulfide, Saturated	0		2		0
Sulfuric Acid, 25%	0		1		1
Sulfuric Acid, 85%	0		2		1
Sulfuric Acid, 96%	1		3		2
Sulfuric Acid 85% and Nitirc Acid 70%, equal parts	2		3		2
Toluene	0		1		0
Trichloroethylene	0		0		1
Xylene	0		0		0
Zink Chloride, Saturated	0		0		0
<b>Total</b>	<b>11</b>		<b>27</b>		<b>22</b>