

science meets art

e.performance

tables designed for
science labs &
art rooms



Performance Top Features

- ~ Plywood/Particleboard combination core
- ~ Unique layered resin finish
- ~ Superior chemical resistant properties (see specifications on reverse)
- ~ Completely sealed against moisture penetration
- ~ Beautiful ultra smooth seamless surface ensures easy cleaning.

Performance Tops are stocked in Grey Glace and Graphite Nebula in the following sizes:

SAT2448 (24x48)	SAT2460 (24x60)
SAT3060 (30x60)	SAT3072 (30x72)
SAT3672 (36x72)	SAT4260 (42x60)

Frame Construction

- ~ Full perimeter tubular 16 gauge steel frame
- ~ Welded and bolted 8 gauge steel upper leg
- ~ Fully adjustable extra height legs (25.75 - 37.5"). Lower chrome section position coded
- ~ Adjustable nylon floor glides.

Chemical Resistance Comparison

The industry standard SEFA 8, 1999 testing procedure was used and the 23 hardest chemicals were chosen from the 49 chemicals listed in the standard. SEFA requires there be no more than three 'Level 3' failures.

Testing Procedure

Method A: Test volatile chemicals by placing a cotton ball saturated with reagent in the mouth of a 1oz bottle and inverting the bottle on the surface of the panel.

Method B: Test non-volatile chemicals by placing 5 drops of reagent on the surface of the panel and covering with a 24mm watch glass, convex side down.

For both of the above methods (A&B):

Exposed horizontal surfaces, such as countertops, are required to pass a 24 hour exposure test;
Exposed vertical surfaces and semi-exposed surfaces are required to pass a 1 hour exposure test.

Level 0 : No detectable change

Level 1 : Slight change in color or gloss

Level 2 : Slight etching or severe stain.

Level 3 : Pitting, cratering, swelling or erosion of coating, obvious and significant deterioration observed.

Reagent Name	Test Method	Strength %	Trespa Toplab Plus	Epoxy Resin	Trespa Athlon	Phenolic Resin	Solid Surface	Chemical Resistant Plastic Laminate
Acetone	A		0	1	0	1	3	1
Aqua Regia	B		0	0	2	2	2	2
Betadine	B	10%	0	0	0	0	0	0
Chromic Acid	B	60%	0	2	1	1	2	1
Dichloroacetic Acid	A		0	0	1	1	3	1
Dimethylformamide	A		0	0	0	0	2	2
Ethyl Acetate	A		0	0	1	1	3	0
Ethyl Ether	A		0	0	1	1	1	0
Furfural	A		0	0	0	0	2	0
Hydrofluoric Acid	B	48%	2	2	1	1	3	0
Methyl Ethyl Ketone	A		0	1	1	1	3	0
Nitric Acid	B	20%	0	0	1	1	1	1
Nitric Acid	B	30%	0	0	1	1	1	2
Nitric Acid	B	70%	0	0	2	2	3	3
Phenol	A	90%	0	0	0	1	3	0
Sodium Hydroxide	B	10%	0	1	0	1	0	3
Sodium Hydroxide	B	20%	0	1	0	1	0	3
Sodium Hydroxide	B	40%	0	1	0	1	0	3
Sodium Hydroxide Flakes	B		0	1	1	1	0	1
Sulphuric Acid	B	33%	0	0	1	1	0	0
Sulphuric Acid	B	77%	1	1	1	2	2	2
Sulphuric Acid	B	96%	1	3	2	2	3	2
Sulphuric Acid / Nitric Acid - 50:50	B	77% 70%	0	0	2	2	2	3
Total number of level 1 & level 2 failures			3	9	15	20	9	10
Total number of level 3 failures			0	1	0	0	8	5

SEFA testing results are a representative comparison between a variety of finishes used within the industry, IFC Performance tops were not specifically tested by this organization.

Material Test Report

Date: 3.08.06

Material Science Institute of Sun Yat Sen

Name of Sample: **FPR Products**

Specification and Type: **Gel Coat of 6688**

Client & Manufacturer: **Institutional Furniture Concepts (IFC)**

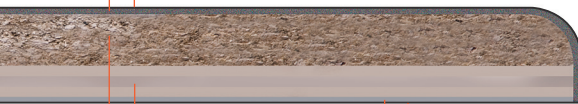
Testing Procedure: **Complete immersion of epoxy-resin layer**

Test: **Cleaning Test & Corrosive Resistance Test**

Classification: **Entrustment**

Two layers of epoxy-fibreglass cloth plus a heavy epoxy-resin coat

Note: The whole top is completely sealed in epoxy resin. There are no seams, joints or edge banding



Combination Core – Particle board provides rigidity while plywood ensures optimum screw holding strength

Two layers of epoxy-fibreglass cloth plus an epoxy resin coat

Cleaning Test for Solvent (500 Round-trip)

Solvent	The Change of Surface Glossiness	Soluble Et Distensible	Evaluation
Acetone	No	No	Pass
Toluene	No	No	Pass
Benzene	No	No	Pass
95% Ethanol	No	No	Pass
Ethyl Acetate	No	No	Pass

Corrosion - resisting Test (Testing Standard GB 3857-87)

Medium	Soaking Time (h)	The Changing Proportion of Weight (%)	The Changing Proportion of Barcol Hardness (%)	Evaluation
30% H2SO4 (30% Sulfuric Acid)	24	+0.08	+1.7	pass
5% HCL (5% Hydrochloric Acid)	24	+0.13	+0.45	pass
10% NaOH (10% Sodium Hydroxide)	24	-0.43	+0.8	pass
10% Aqua Ammonia	24	+1.11	-1.7	pass

- The above information is based on our current state of knowledge. It is intended as information concerning our products and their application, and is therefore not intended as form of guarantee with regard to any specific product characteristic.
- IFC Performance table tops are manufactured in a manner that may result in slight variations in color and texture, this must be considered normal.
- Chemical resistant properties may vary between top colors.

