

Specifications

Fire Test*	Standard ASTM E84 (ANSI/UL 723)	Pass Class 1; Class A
Impact Resistance Test*	1/2 lb. steel ball dropped from 36"	No damage
Knife Drop Test*	ANSI Z124.6-1900	No cracks or fractures
Skillet Drop Test*	10.5" cast iron skillet (4.5 lb. weight) dropped from 12"	No residual deflection
Load Test*	300 lbs. on 24" x 30" panel	No residual deflection
Stain Resistance Test	ANSI Z124.1 5.2 (see list on right)	Pass rating 46
Cigarette Test	ANSI Z124.1 5.4	Pass rating 0
Chemical Resistance Test	ANSI Z124.1 5.5 (see list on right)	Pass
Renewability Test	SS-1 Performance Standard for Solid Surface	Pass
Hot Pan Test	ANSI Z124.6-1997	Pass
Cleanability Test	ANSI Z124.1 5.3	Pass/loss 0.8
Wear Test	ANSI Z124.1 5.3	Pass

*Tested material was 1/2" thick and weighed 3.82 lbs. per sq. ft.

TEST METHOD: This test was conducted in accordance with ANSI/UL 723, 10th Edition.

Client Name:	EcoTec Surfaces	Test Duration:	10 Minutes
Test No.:	1	Hot Test:	No
Mounting:	Rods & Wires	Test Type:	CITS
Burn-Out Required:	No	Test Sample:	Solid Surfacing Material

SMOKE RESULTS

Calculated Smoke Developed (CSD): 55.9
Smoke Developed Index (SDI): 55
Area under Smoke Curve (obs./min.): 45.43
Area under Red Oak Curve (obs./min.): 81.24

Post-Test Observations

Discoloration (ft. from burner): 24
Char (ft. from burner): 8

FLAME SPREAD RESULTS

Flame Spread Data
Calculated Flame Spread (CFS): 8.26
Flame Spread Index: 10
Time to Ignition (sec.): 144
Maximum Flame Spread (ft.): 3.5
Area under Flame Spread Curve (ft./min.): 16.0

Chemical Resistance Reagents

Naphtha	Citric Acid, 10%
Ethyl Alcohol	Urea, 6% (Urine)
Amyl Alcohol	Hydrogen Peroxide, 3%
Ammonia, 10%	Phenol, 5% (Lysol)
Toluene	Lye, 1-2% (Drano)
Ethyl Acetate	Sodium Hypochlorite
Acetone	Clorox

Stain Resistance Reagents

Black Crayon
Black Liquid Shoe Polish
Blue Washable Ink
Lipstick
Hair Dye
Iodine Solution
Gentian Violet Solution

Ignition	144
0.5	210
1	240
1.5	248
2	330
2.5	428
3	440
3.5	458

