

LABORATORY TESTING REPORT

PHYSICAL PROPERTIES:

Gloss 60°/20°	98/86
Pencil Hardness	F
Mar Resistance	Excellent/Very Good
Direct Impact – Pass	160 Ft. Lbs.
Reverse Impact – Pass	40 Ft. Lbs.
Flexibility – 1/8" Mandrel Bend	Pass
Abrasion Resistance (Milligrams weight loss per 1000 cycles using C-17 wheels.)	32 Grams
Scrub Resistance	Outstanding
Stain Removal	Excellent
Yellowing Resistance	Excellent
Permeability	.11

FLAMMABILITY OF DRIED FILM (0 – 25 Range):

Flame Spread	0 - 5
Fuel Contribution	0
Smoke Developed	0

Test Results: Will not add combustibility to non-combustible substrate.

FILM PROPERTIES:

Gloss Retention (Florida South 45° Exposure)	10
Salt Spray 1000 Hours	10
Humidity 1000 Hours	10

0 – Worst (Complete Failure)
10 – Best (No Effect)

CHEMICAL RESISTANCE

Chemicals (24 Hour Exposure)

Polythane

Two Component Epoxy

1% Tide	10	10
10% Sulfuric Acid	10	7
25% Sulfuric Acid	10	0
50% Sulfuric Acid	10	2
5% Acetic Acid	10	7
50% Acetic Acid	10	0
Formic Acid	10	0
10% Hydrochloric Acid	10	6
10% Phosphoric Acid	10	6
50% Phosphoric Acid	10	2
5% Sodium Hydroxide	9	10
10% Ammonia	10	10

Solvents (24 Hour Exposure)

Gasoline	9	10
Xylene	8	10
Ethyl Alcohol (50%)	10	0
Water	10	10

Stain Resistance (24 Hour Exposure)

Mustard	10	6
Lemon Juice	10	9
Tomato Paste	10	9
Grape Juice	10	9
Coffee	10	6
Iodine	10	0
Merthiolate	10	0
Lipstick	10	8
Washable Ink	10	0

Mildew Resistance

Federal Test Method Standard 141

Method 6271 – Incubation time 7 days. Does not support growth.

0 – Worst (Complete Failure)

10 – Best (No Effect)